IP PRODUCT
QUICK REFERENCE GUIDE
REV. 07/22

Complete IP Surveillance Solutions

myDW® Cloud Management Services

DW Spectrum® IPVMS

Blackjack® servers and NAS appliances

VMAX® IP Plus™ NVRs driven by C3 CMS

MEGApix® IVA™ Intelligent Video Analytics IP cameras

MEGApix® Pano multi- and single-sensor wide view IP cameras

Built for Users.™

DIGITAL WATCHDOG®

NDAA COMPLIANT PRODUCTS

IP products

SOFTWARE

DW Spectrum® IPVMS

Elegantly easy, cutting-edge approach to video surveillance software, offering the lowest total cost of deployment and ownership on the market.

myDW®

Cloud Management Services that safely integrate DW's solutions onto a single platform for seamless real-time system management of all your sites.

DW mobile apps

DW mobile apps for iOS® and Android® allow you to view, playback and monitor your systems on a smartphone or tablet.

DW Spectrum Mobile™

DW Spectrum mobile app for iOS and Android works seamlessly with any server running DW Spectrum IPVMS.

C3™ CMS Remote management software

C3 is a groundbreaking, easy to use remote management software for DW VMAX® embedded analog and IP recorders.

RECORDERS

Blackjack® servers

Servers powered by DW Spectrum IPVMS provide unlimited scalability.

Blackjack® Ai servers

Servers powered by DW Spectrum and IVA™ are purpose-built All-in-One NVR and analytic appliances.

Blackjack Client™ workstation

The ultimate solution to monitoring multiple servers from a single location.

VMAX® IP Plus™ NVRs

Full-featured easy to use standalone PoE NVRs.

CAMERAS

MEGApix® IVA™ IP cameras

Powerful Intelligent Video Analytics (IVA) detecting and classifying people and objects in real-time.

MEGApix Pano™ IP cameras

Single and multiple sensor, panoramic view cameras replace multiple cameras with a single installation.

MEGApix Pano fisheye (hemispheric) IP cameras

5MP and 9MP fisheye cameras produce 180°, 270° and 360° views.

MEGApix Flex™ IP cameras

User-configurable, multi-sensor cameras produce flexible views.

MEGApix CaaS™ IP cameras

All-in-one camera as a system edge solutions require no server nor NVR.

MEGApix IP cameras

MEGApix 4K, 8MP, 5MP, 4MP and 2.1MP/1080p IP cameras at real-time 30fps.

NETWORK APPLIANCES

Compressor™ encoders

Compressor signal encoders convert all analog signals into IP streams.

DW Spot™ monitoring module

Create instant public monitors from your surveillance system with DW Spot.

NightWatch™ illuminators

Advanced infrared, white light or hybrid illumination solutions for any application.

SiteWatch™ motion detectors

The perfect addition for any installation that requires advanced motion detection.

NDAA/TAA COMPLIANT PRODUCTS

DW products, sold and distributed worldwide, are designed and developed in the U.S.A. and Korea and manufactured in Korea.

Most DW products are TAA / NDAA compliant. digital-watchdog.com/ndaa

Table of contents

DW Spectrum IP video management software (IPVMS) 4

myDW 6

Blackjack servers 8

Network Appliances 13

Blackjack Ai servers 14

C3 central management software 16

VMAX IP Plus embedded network video recorder (NVR) 18

MEGApix Pano single- and multi-sensor panoramic view IP cameras 20

MEGApix Pano fisheye IP cameras 22

MEGApix Flex user-configurable IP cameras 23

MEGApix IVA+ IP cameras 24

MEGApix CaaS (Camera as a System) IP cameras 28

MEGApix IP cameras 30

Camera accessories 38

SiteWatch motion detectors 40

NightWatch illuminators 40

Software and mobile apps 42

Camera part numbers table 42

DW channel partner program (CPP) 43

DW University online product certification 44

IPVMS

DW spectrum® IPVMS

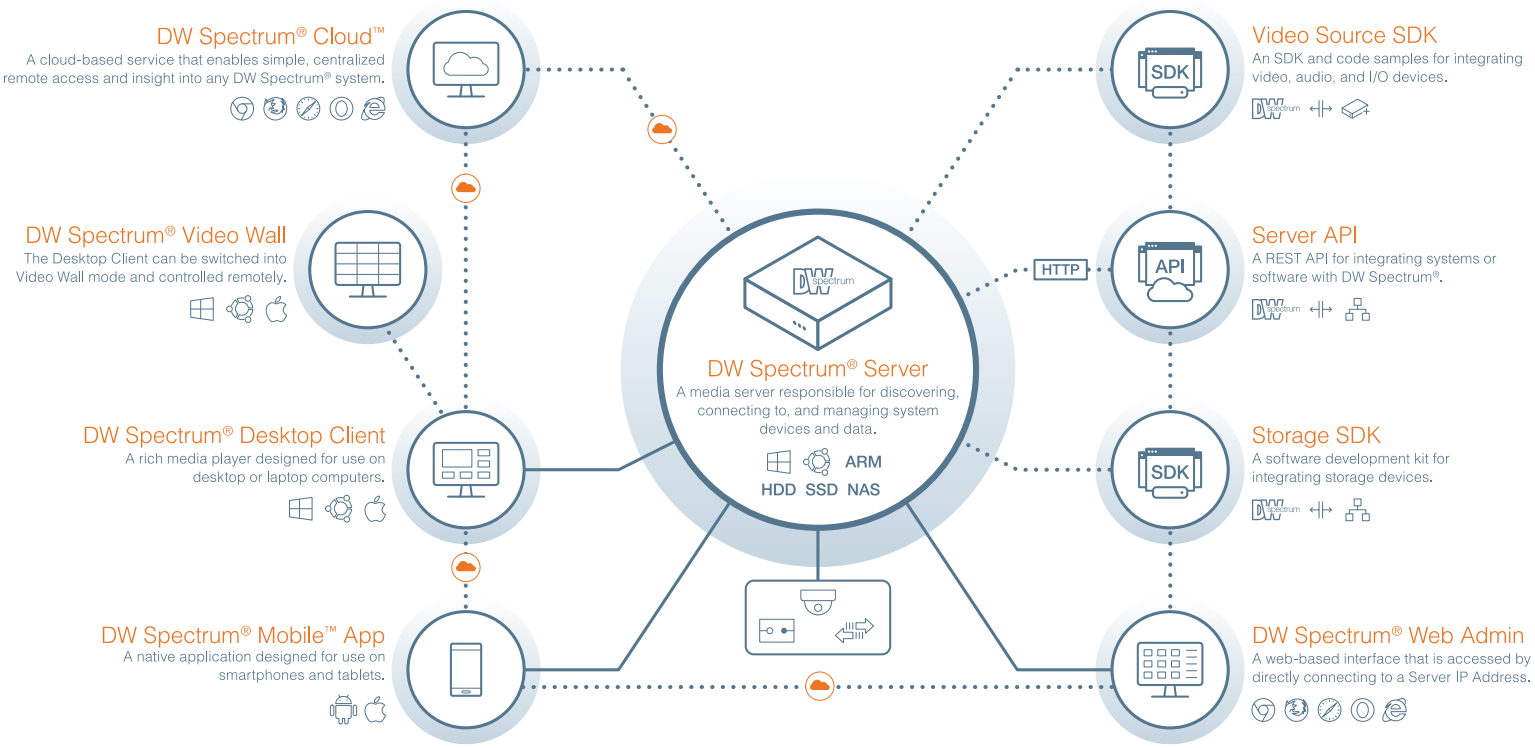
Complete Scalable Video Management

- Apps for all operating systems. **Cloud enabled.**
- Automated. Intuitive. **Built for Users.**
- **Auto-discover devices** from hundreds of manufacturers.
- Open for developers. **Integrate anything.**

Built for Users.™

Open Architecture / Cross Platform

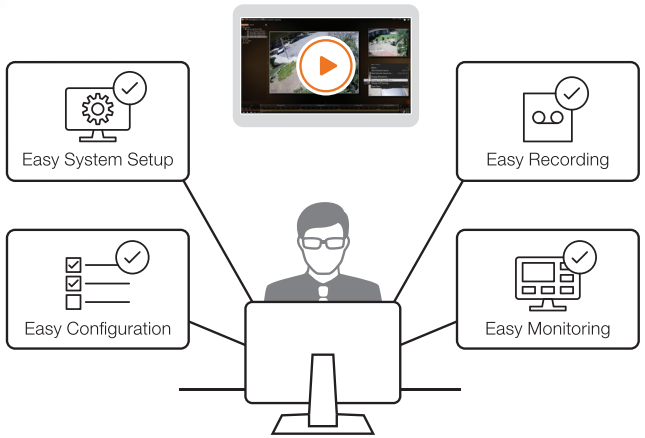
DW Spectrum IPVMS is an endlessly customizable IP Video Management platform that gives users the ability to create tailored networked video solutions for any type of project, or use by anyone, on any device.



Complete scalable recording solutions

Interface is dramatically easier to use.

Highly refined GUI delivers seamless transitions, customizable layouts and zoom to create regions of interest or image enhancements.



Enterprise features are standard.

DW Spectrum IPVMS includes many enterprise level features such as:

- Custom user role management
- Multi-server and centralized management
- Health monitor
- Video storage analytic
- Failover: Protects video recording from data loss
- LDAP / active directory
- Video wall

Cross Platform | Seamless Transition | Customizable Layouts | Forensic Spyglass™ | No Annual Maintenance Fees | Enterprise Scalability

End-to-End IP solutions.

DW Spectrum IPVMS is part of DW's complete end-to-end IP solution, with Blackjack servers, MEGApix IP cameras and DW Witness™ app, which converts your smartphone and tablets into a portable, high-quality surveillance camera.

Lifetime updates included.

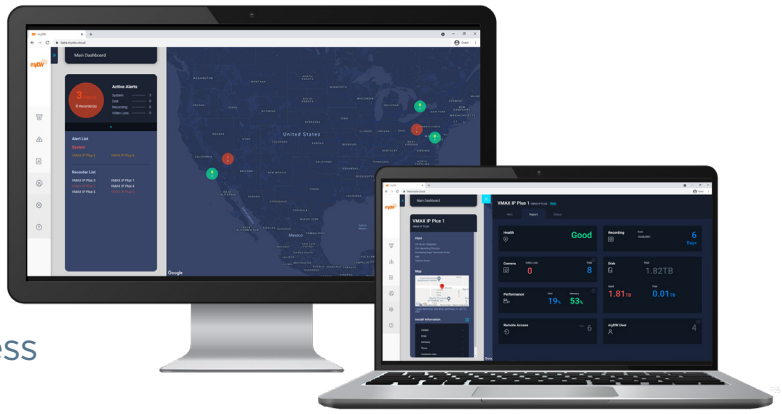
While other companies require annual maintenance agreements, DW Spectrum IPVMS system upgrades are always free of charge.

Scalable from one to thousands of devices.

Highly refined GUI delivers seamless transitions, customizable layouts and zoom to create regions of interest or image enhancements.

DW Systems Management

myDW® Cloud Management Services



Safely integrate DW's solutions onto a single platform for seamless real-time system management of all your customers' sites.

myDW® Cloud Management Services is a scalable and secure video monitoring solution that simplifies operations and management by moving these functions to the cloud. It gives integrators and dealers instant access to all their customers' surveillance systems online, on a smartphone and a tablet.

Increase recurring monthly revenue.

myDW gives integrators and dealers a powerful and secure cloud-based tool with potential for recurring monthly revenue.

Features:

Increase Recurring Monthly Revenue | Increase Client Retention | Multi-System Management | Web and Mobile App | System Status | Server Health

- Increase recurring monthly revenue
- Increase client retention
- Cross-platform architecture (use any web browser, apps for iOS and Android)
- Seamless scalability with multi-system management
- Verify critical functions with 24/7 enterprise system health management
- Administration management, storage retention and video quality settings
- System recording and camera status
- Advanced, fully user-customizable system reports
- PathFinder™ Peer-to-Peer (P2P) remote connection available (VMAX NVRs/DVRs)
- Invite and share your sites and reports with customers using a simple e-mail invite
- Customization with your own logo, turning the portal into an extension of your company
- Supported models:
  - o VMAX® A1 Plus™
  - o VMAX® IP Plus™

Built for Users.™

Video management anywhere, anytime.

Business Intelligence.

Gain insight and keep your customers safe and secure with real-time alerts and notifications.

Alerts

Receive email and push alert notifications for alarm and health events. Create, customize, and schedule myDW alerts with unique filters including duration, frequency, hours of operation or days of the week.

Reports

myDW Reports provide information about the health of your systems and help cut down on downtime and missing video.

Access Control

Third party access control solutions make it easy to setup after-hours alarm and motion notifications to get instant alerts with video clip.

Hardware Inventory Report

Quickly see details for your recorders and camera settings to identify potential anomalies or out-of-date software, saving time and money on security and policy compliance audits.

Health Monitoring.

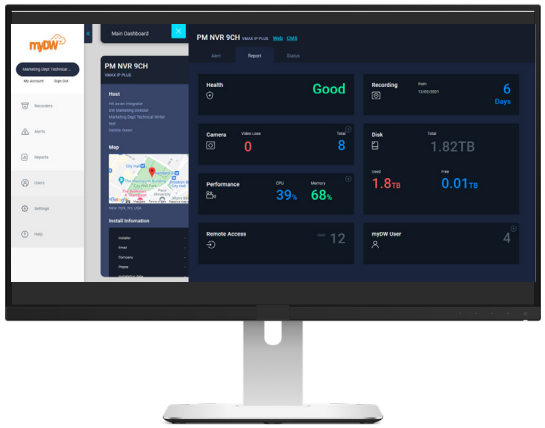
Ensure your systems are at peak performance with real-time and scheduled health monitoring functions.

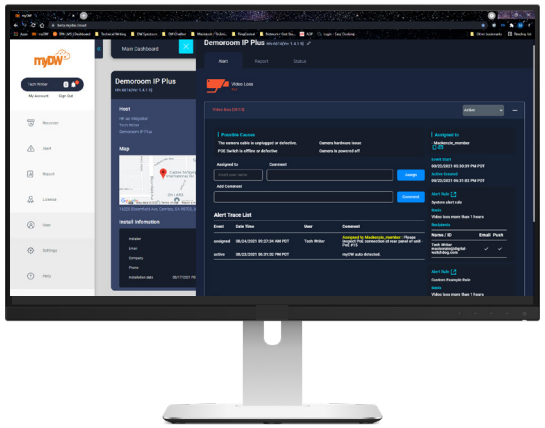
24/7 Protection

myDW offers real-time alerts for critical issues or potential problems. Rest easy at night knowing that your system is working properly when needed to capture a critical video event.

Hard Drive Health

Monitor your hard drives health and set alerts to help prevent downtime with a preemptive system repair.





Storage Health

Set notifications for minimum storage levels for your recorders to ensure compliance with internal policy or government regulations

Video Quality

Environmental changes can impact the quality and performance of your video system over time. View daily images of your cameras to ensure video quality has not degraded or compromised.

Servers, NAS and workstations

Blackjack®

Servers Powered by DW Spectrum® IPVMS

Built for Users.™

NDAA/TAA COMPLIANT PRODUCTS

Scalable, enterprise-level servers, powered by DW Spectrum IPVMS.

DW's Blackjack servers powered by DW Spectrum are robust and user-friendly video management solutions, highly optimized to provide unlimited scalability, unmatched bandwidth savings and simplified system setup and management. The architecture is cross-platform supporting Windows, Linux and MAC platforms for complete optimization to match any application.

DW Spectrum IPVMS preloaded.

DW Spectrum IPVMS is an endlessly customizable IP Video Management platform that gives users the ability to create tailored network video solutions for any type of project, from the office or on in the field.

Features:

Unlimited Scalability · 2-310TB Storage · 600Mbps Throughput · 2x Two NIC Cards · Windows 10, Server & Linux Ubuntu OS · RAID5, 6 · Hot-Swappable Drives · HD Output · DW Spectrum · 5YEAR Limited Warranty

- Supports all ONVIF conformant IP cameras
- Storage options 2-560TB internal storage*
- Hot swappable drives*
- Data redundancy*
- Redundant power supply*
- Record and manage single- and multi-sensor IP cameras of any resolution up to maximum 600Mbps throughput
- Manage remotely with DW Spectrum Client or the DW Spectrum Mobile app
- Local monitoring outputs ports*
- Up to dual network ports*
- Windows 10 IoT, Windows server or Linux Ubuntu 18.04 LTS on separate SSD*
- Dedicated RAID controller*
- Hosting DW Spectrum
- Up to two (2) 4-channel licenses included for a total of 8 recording channels (DW-SPECTRUMLSC004)*
- No annual maintenance fees
- Simple enterprise scalability
- Auto device discovery
- Dual stream recording
- Rail kit included*
- USB mouse and keyboard included*
- Designed, assembled and tested in the U.S.A.
- UL listed*
- NDAA/TAA compliant
- 5 year warranty*
- 5 year warranty, next business day on-site hardware service, keep your hard drive*

Designed and Commissioned in the U.S.A

* See data sheets for specifications per camera.

Desktop NAS

PART NUMBER	Blackjack NAS DW-BJNASxT / DW-BJNASxTR
Operating system	Linux® embedded
Form factor	Desktop
Maximum hard drives	2 x SATA HDD
Maximum storage capacity	DW-BJNASxT: 20TB (2x 10TB) DW-BJNASxTR: 10TB (2x 10TB, RAID1)
RAID	RAID1 (DW-BJNASxTR)
Max. recording channel	Max 24 2.1MP/1080p IP cameras
Max. recording bandwidth	Max. 120Mbps throughput
LED indicators	HDD status, power
LCD	---
Audible alert	---
E-mail notifications (optional)	---
Remote configuration	Blackjack NAS web management console, DW IP Finder™
Supported IPVMS	DW Spectrum IPVMS
Operating temperature	41°F-104°F (5°C-40°C)
Power supply	DC 12V
Power consumption	36W, 3A
Dimensions (WxDxH)	10.2" x 11.2" x 2.1"
Weight	3.3lbs
Warranty	5 year limited

Rack™ server

PART NUMBER		Blackjack Rack™ 2U - 12 Bay Single Processor	Blackjack Rack™ 2U - 12 Bay Dual Processor
Included IP licenses		8	
Form factor		Rackmount	
Operating system	Windows 10 IoT	DW-BJRR2UxxT	DW-BJRR2PxxT
	Windows Server	DW-BJRR2UxxTS	DW-BJRR2PxxTS
	Linux Ubuntu 18.04 LTS	DW-BJRR2UxxTLX	DW-BJRR2PxxTLX
	OS on SSD	2 x 240GB NVMe SSD (RAID1)	
CPU		Single Intel Xeon Silver processor	Dual Intel Xeon Silver processor
Memory		16GB	32GB
Ethernet port		2x Gigabit ethernet portal	
System	Max video storage rate (Mbps)	600 Mbps	
Storage	Max DW-BJNAS rack connections	---	
	Maximum hard drives	12x HDD	
	Maximum storage	192TB	
		Option: RAID5	
Video-Out	Outputs	3 x mini DisplayPort (1 x mini-DP to true HD adapter included)	
	Video card	Nvidia Quadra P400	
	Resolution	---	
Pre-loaded VMS software		DW Spectrum IPVMS	
Remote clients		Cross Platform - Windows, Linux Ubuntu and Mac	
Mobile apps		iOS® and Android	
Keyboard and mouse		Included	
Rail kit		Included	
Power supply		Dual 750W Redundant***	
Operating temperature		41°F-104°F (5°C-40°C)	
Dimension (WxDxH) (inches)		19" x 28.25" x 3.41"	
Field repair kit		---	
Warranty		5 year warranty, next business day on-site hardware repair	

* Available during initial order ** Require 10Gb network switch
*** An uninterrupted power supply (UPS) is recommended.

Designed and Commissioned in the U.S.A

Servers and workstations

		P-Rack™ servers			Full-size Tower™ servers	
NDAA/TAA COMPLIANT PRODUCTS						
PART NUMBER		Blackjack P-Rack™ 2U w/RAID	Blackjack P-Rack™ 2U	Blackjack P-Rack™ 1U	Blackjack Tower™ full-size	Blackjack Tower™ full-size w/ RAID
Included IP licenses		4			4	
Form factor		Rackmount			Tower full-size	
Operating system	Windows 10 64 Bit	DW-BJPR2UXXT	DW-BJP2UXT	DW-BJP1UXT	DW-BJT71xxT	DW-BJTR715xxT/ DW-BJTR716xx
	Windows Server 2016	---	---	---	---	DW-BJTR715xxTS/ DW-BJTR716xxTS
	Linux Ubuntu	DW-BJPR2UXXT-LX	DW-BJP2UXT-LX	DW-BJP1UXT-LX	DW-BJT71xxTLX	DW-BJTR715xxTLX/ DW-BJTR716xxTLX
	OS on SSD	150GB SSD (RAID1 mirrored)	150GB SSD		240GB SSD	
		Option: DW-SSD80 – second SSD for mirroring the OS*				
CPU		Intel® i5® processor	Intel®i7® processor		9th generation Intel Core™ i7 processor	9th generation Intel Core™ i7 processor
		Option: DW-CPUI7 - upgrade processor to i7*				
Memory		16GB			16GB	
Ethernet port		2x Gigabit ethernet portal			2x 1G Ethernet	
System	Max video storage rate (Mbps)	600 Mbps	600 Mbps	360 Mbps	600Mbps	RAID5: 600Mbps RAID6: 420Mbps
Storage	Max DW-BJNAS rack connections	---	---	---	---	---
	Maximum hard drives	6 x HDD	7 x HDD	3 x HDD	7 x HDD	7 x HDD
	Maximum storage	96TB RAID5	112TB	48TB	112TB	112TB RAID5, RAID6 options
Video-Out	Outputs	True HD output or VGA or DVI			1x true HD, 1x DVI, 1x VGA outputs for setup and configuration. 1 output at a time.	
	Video card	GeForce 210 512MB			on-board Intel Graphics	
		Option: DW-RV4H - 4 head HD Video Card*				
	Resolution	---			---	
Pre-loaded VMS software		DW Spectrum IPVMS			DW Spectrum IPVMS	
Remote clients		Cross Platform - Windows, Linux Ubuntu and Mac			Cross platform - Windows, Linux Ubuntu and Mac	
Mobile apps		iOS and Android			iOS and Android	
Keyboard & mouse		Included			Included	
Rail kit		Included			---	
Power supply		400W***	400W***	300W***	500W**	500W**
Operating temperature		41°F-104°F (5°C-40°C)			41°F-104°F (5°C-40°C)	41°F-104°F (5°C-40°C)
Dimension (WxDxH) (inches)		17.32" x 26" x 3.5"	17.32" x 26" x 3.5"	17.32" x 20.86" x 1.718"	8.6" x 19.12" x 16.83" (218.6 x 485.8 x 427.5 mm)	8.6" x 19.12" x 16.83" (218.6 x 485.8 x 427.5 mm)
Field repair kit		---	---	---	---	
Warranty		5 year limited			5 year limited	

Designed and Commissioned in the U.S.A

* Available during initial order ** Require 10Gb network switch
*** An uninterrupted power supply (UPS) is recommended.

Mid-size Tower™ servers			Mid-size Tower™ workstations	
Blackjack Tower™ mid-size	Blackjack Tower™ mid-size	Blackjack Tower™ mid-size	Blackjack Tower™ monitoring station	Blackjack Tower™ monitoring station
4			---	---
Tower mid-size			Mid Tower	Mid Tower
DW-BJMT31xxT	DW-BJMT51xxT	DW-BJMT71xxT	DW-BJMTC5204T	DW-BJMTC7404T
---	---	DW-BJMT71xxTS	---	---
DW-BJMT31xxTLX	DW-BJMT51xxTLX	---	---	---
240GB SSD			240GB SSD	240GB SSD
9th generation Intel Core™ i3 processor	9th generation Intel Core™ i5 processor	9th generation Intel Core™ i7 processor	Intel i5 9th generation processor	Intel i7 9th generation processor
8GB	16GB	16GB	16GB	32GB
2x 1G Ethernet	2x 1G Ethernet	2x 1G Ethernet	1 x 1G Ethernet	1 x 1G Ethernet
180Mbps	360Mbps	480Mbps	---	---
---	---	---	---	---
3 x HDD	3 x HDD	3 x HDD	---	---
20TB	48TB	48TB	---	---
1x true HD, 1x DVI, 1x VGA outputs for setup and configuration. 1 output at a time.			1xtrue HD, 1x DVI, 1xVGA outputs	
on-board Intel Graphics			GTX1650	RTX2070
---			7680x4320	7680x4320
DW Spectrum IPVMS			DW Spectrum IPVMS	DW Spectrum IPVMS
Cross platform - Windows, Linux Ubuntu and Mac			Cross platform - Windows, Linux Ubuntu and Mac	Cross platform - Windows, Linux Ubuntu and Mac
iOS and Android			iOS and Android	iOS and Android
Included			Included	Included
---			---	---
400W**	400W**	400W**	300W**	500W**
41°F-104°F (5°C-40°C)	41°F-104°F (5°C-40°C)	41°F-104°F (5°C-40°C)	41°F-104°F (5°C-40°C)	41°F-104°F (5°C-40°C)
7.46" x 15.7" x 14.21" (189.52 x 398.8 x 631.02 mm)	7.46" x 15.7" x 14.21" (189.52 x 398.8 x 631.02 mm)	7.46" x 15.7" x 14.21" (189.52 x 398.8 x 631.02 mm)	7.46" x 15.7" x 14.21" (189.52 x 398.8 x 631.02 mm)	7.46" x 15.7" x 14.21" (189.52 x 398.8 x 631.02 mm)
---			---	---
5 year limited			5 year limited	5 year limited

* Available during initial order
*** An uninterrupted power supply (UPS) is recommended.

Designed and Commissioned in the U.S.A

Servers and workstations

		Cube™ servers			Bolt™ server	Workstation
PART NUMBER		Blackjack Cube-DL™	Blackjack Cube™	Blackjack Cube-LX™	Blackjack Bolt™	Blackjack C2P workstation
Included IP licenses		4	4	4	4	---
Form factor		Desktop	Desktop	Desktop	Slim desktop	Desktop
Operating system	Windows 10 64 Bit	DW-BJCUBExT-DL	DW-BJCUBExT	---	---	DW-BJC2P
	Windows Server 2016	---	---	---	---	---
	Linux Ubuntu	---	---	DW-BJCUBExT-LX	DW-BJBOLTxT-LX	---
	OS on SSD	150GB SSD	---	---	---	240GB SSD
			---	---	---	
CPU		Intel i7 processor	Intel i5 processor	Intel® i3® processor	Intel® quad core N3150 processor	Intel i7 processor
Memory		16GB	16GB	4GB Option: DW-RME8 - upgrade memory to 8GB*	4GB	16GB
Ethernet port		2x Gigabit ethernet (ports)				2x Gigabit ethernet (ports)
System	Max video storage rate (Mbps)	480 Mbps	360 Mbps	80 Mbps	80 Mbps	---
Storage	Max DW-BJNAS rack connections	---	---	---	---	---
	Maximum hard drives	1 x SSD + 2 x SATA HDD	3 x HDD	3 x HDD	2 x SATA HDD	1 x SSD + 2 x SATA HDD
	Maximum storage	20TB	18TB	18TB	16TB	---
Video-Out	Outputs	4x mini DisplayPort	DVI-D or true HD output	DVI-D or true HD output	True HD output, DVI or D-sub port	4x Mini Display Port outputs
	Video card	Onboard Intel HD graphics	Onboard Intel HD graphics	Onboard Intel HD graphics	---	Onboard Intel HD graphics
	Resolution	HD 1080p	HD 1080p	HD 1080p	HD 1080p	Max 4096 x 2160
Pre-loaded VMS software		DW Spectrum IPVMS				DW Spectrum IPVMS
Remote clients		Cross platform - Windows, Linux Ubuntu and Mac				Cross platform - Windows, Linux Ubuntu and Mac
Mobile apps		iOS and Android	iOS and Android	iOS® and Android	iOS and Android	iOS and Android
Keyboard & mouse		Included	Included	Included	Included	Included
Rail kit		---	---	---	---	---
Power supply		300W***	300W***	300W***	200W***	300W***
Operating temperature		41°F-104°F (5°C-40°C)				41°F-104°F (5°C-40°C)
Dimension (WxDxH) (inches)		8.5" x 12.8" x 7.5"	8.5" x 12.8" x 7.5"	8.5" x 12.8" x 7.5"	3-7/8" x 14" x 10-3/8" (Standing) 10-3/8" x 14" x 3-7/8" (Desktop)	8.5" x 12.8" x 7.5"
Field repair kit		---	---	---	---	---
Warranty		5 year limited	5 year limited	5 year limited	5 year limited	5 year limited

Designed and Commissioned in the U.S.A

* Available during initial order

*** An uninterrupted power supply (UPS) is recommended.

Network appliances

Compressor™ Analog to IP Video Encoder

The easiest transition from analog to IP.

SPECIFICATIONS	DW-ENHD16
Video input	16 HD over Coax® technology with HD-Analog, HD-TVI and CVBS analog signal up to 2.1MP/1080p
Video output	16 IP channels
Local display	True HD/VGA: 1/4/9/16 Split, PIP, Sequence Spot: 1/16 Split, Sequence
Resolution	Main stream: 240fps @ 2.1MP/1080p Sub Stream: 240fps @ VGA
Video encoding	H.264
AUDIO	
Input	4 audio input
Output	1 RCA audio output, 1 HD audio output
INTERFACE	
Alarm input	4 inputs
Alarm output	1 output
RS-232	---
RS-485	2x RS485, 3x USB, UTC PTZ control via Coax (HD-Analog, HD-TVI)
GENERAL	
ONVIF Conformant	Yes, profile S
Power requirements	DC12V (2A)
Power consumption	Max. 14.4W
Dimensions	14.76" x 1.76" x 12.52"
Rack-mountable	DW-EN19RE (included)

DW spot™ MONITORING MODULE

Built for Users.™

Place a public view monitor anywhere.

NDAA/TAA COMPLIANT PRODUCTS

SPECIFICATIONS		DW-HDSPOTMOD	DW-HDSPOTMOD16
Operating system		Embedded Linux®	
Video compression		H.265, H.264	
IP camera	Input	4 channels	16 channels
Display	Speed	Up to 120fps	Up to 480fps
	Screen mode	Single channel, quad view mode, sequence	Single channel, 16-Ch view mode, sequence
Video-in		IP cameras (up to 4K, 3840 x 2160 resolution), Universal HD over Coax® VMAX® A1™ DVRs or VMAX® IP Plus™ NVRs	
Video-out	Monitor	True HD and/or VGA	
	Resolution	True HD: 3840x2160, 1920x1080, 1280x720, 1024x768 VGA: 1920x1080, 1280x720, 1024x768	
Network function		Time synchronization by NTP server	
System recovery after power failure		Auto-reboot and log file system	
Advanced functions		Firmware upgrade by USB and CMS	
		Import and export settings	
		Digital zoom	
System operation		USB mouse	
ENVIRONMENTAL			
Power		DC12V	
Operating temperature		41°F ~ 104°F (5°C ~ 40°C)	
Dimensions		5.47" x 4.84" x 1.25"	

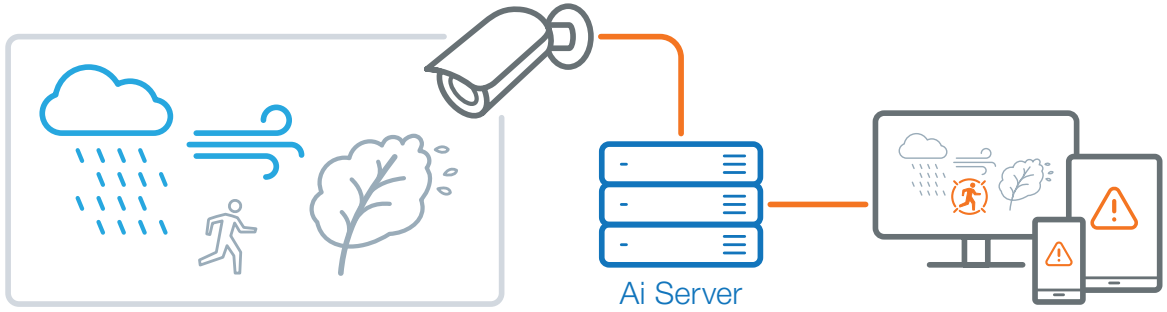
All-in-One NVR and Analytic Server

Blackjack® Ai™

Built for Users.™

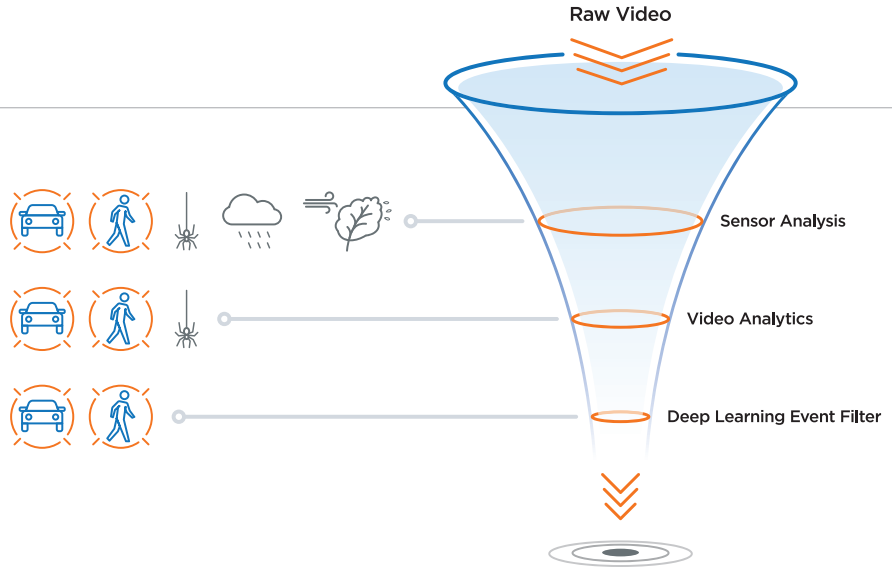
Add the power of advanced neural-network-based analytics to your video streams.

Ai servers are purpose-built NVRs, with built-in server-side analytics that unlocks advanced AI capabilities on any connected video stream. This cost-effective, plug-and play appliance combines high-performance recording with video analytics in an easy-to-deploy turnkey solution.



Server-Side Analytics for Non-Analytic Cameras

Bring classified object detection to your existing non-analytic cameras.



Deep Learning and Logical Rules.

Intelligent algorithms offer deep learning with better object classification and identification.

IVA Engine + Deep Learning = Blackjack® Ai™

Presence — Object Recognition

Zones · Tamper Detection · Presence · DL Filter

Counting — Object Counting

Zones · Tamper · Counting · Counting Lines · Presence · Dwell Filter

Direction Filter · DL People Tracker

Pro — Linking rules and creating complex filters allowing users to reduce false alarm

Zones · Tamper · Presence · Counting · Counting Lines · Appear

Disappear · Stopped · Enter · Exit · Dwell Filter · Tailgating

Object Left · Metadata · Logical Rules · Direction

DL Filter · DL People Tracker · Object Tracker

Remote Notification on Mobile

Receive an instant notification to any mobile device.

All in One Device

Achieve lower deployment cost with a single device that performs as an NVR and an Analytics server.

Blackjack® Ai™ Server + IVA™ Analytics Engine + DW Spectrum® IPVMS

C3 CMS™

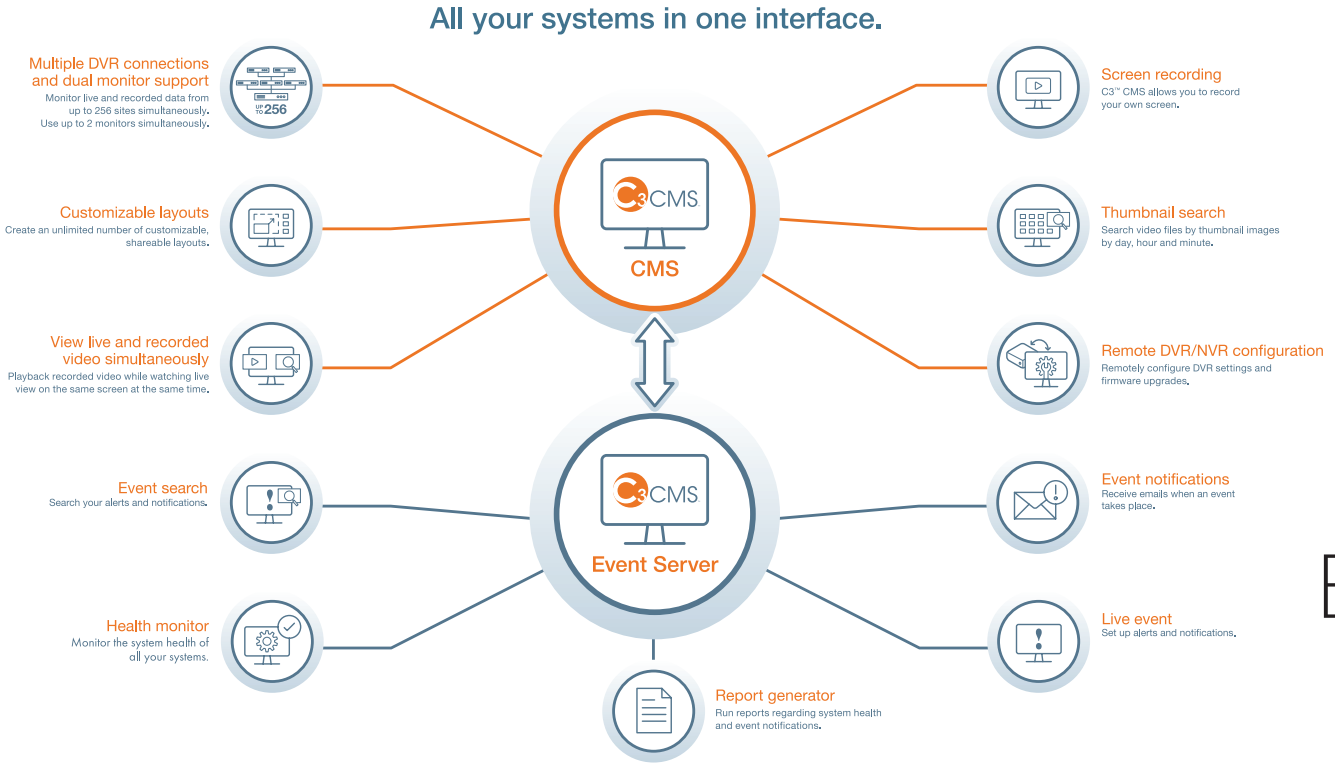
Command . Control . Communicate

All your systems in one interface.

The C3 is a remote management software suite for VMAX A1 Plus and VMAX IP Plus embedded analog/IP recording solutions and provides a powerful and easy-to-use way to monitor the device from anywhere. The software delivers simultaneous live views and playback of recorded video and supports hundreds of devices simultaneously. C3 CMS provides actionable information in real-time.

Manage and monitor your system from anywhere.

SUPPORTED OPERATING SYSTEM: Windows MacOS



Built for Users.™

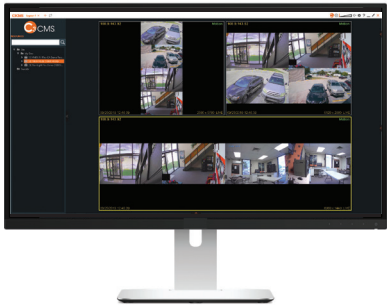
Remote management and event server software

Multiple DVR connections and dual monitor support.

Monitor live and recorded data from up to 256 sites simultaneously. Use up to 2 monitors simultaneously for an unparalleled 288 total cameras at the same time.

Customizable layouts.

The C3 CMS supports customizable layouts, from conventional gridline layouts, to user-friendly panoramic, corridor or 2x2 views.



Screen recording.

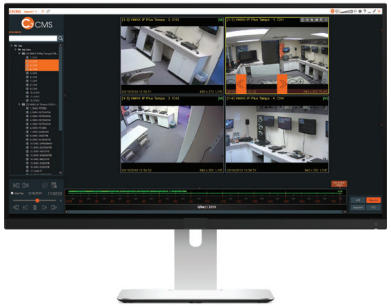
C3 CMS allows you to record your own screen.

Thumbnail search.

Find video fast by clicking on thumbnails by the date, hour and minute.

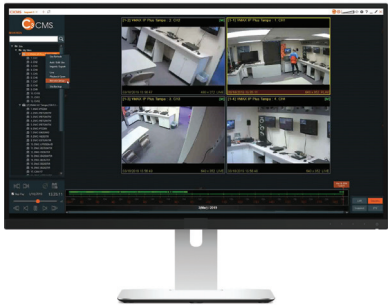
View live and recorded video simultaneously.

Playback recorded video while watching live view on the same screen at the same time.



Remote DVR configuration.

Remotely configure DVR settings and firmware upgrades.



Network video recorders

VMAX ip PLUS
Complete IP Video Solutions

3 Minute INSTALL

The VMAX IP Plus is an easy to use PoE NVR that allows you to go from power up to monitoring in less than three minutes!

The VMAX IP Plus can record up to 4K IP cameras at real-time 30fps. The NVRs are available in 4-, 8- and 16-channel models with bonus local PoE management for up to five additional channels.

DW Witness™
Smartphone is a Surveillance Camera

The app turns the camera on a smartphone or tablet into a surveillance camera that can be viewed and recorded with DW Spectrum IP server or a VMAX IP Plus PoE NVR via 4G connectivity anytime worldwide.

16x Up to 16Ch PoE | DW Mobile Witness™ | PathFinder™ | CCIP™ Encryption | 30fps Real-Time Monitoring | Auto Device Discovery

Features:

- Complete installation, setup and camera configuration in under three minutes!
- CCIP™ system encryption protects your surveillance system from out of network attacks
- Record and manage single-sensor IP cameras at real-time 30fps up to 4K (3840x2160)
- Local power for up to 16 IP cameras via resident PoE switch
- PathFinder™ Peer-to-Peer (P2P) remote connection
- DW Witness turns a smartphone or tablet into an additional surveillance camera
- Automatic device discovery
- 2TB-32TB storage options
- Snapshot Notify™: Programmable interval camera image verification sent to an email
- C3 CMS software up to 288 channels
- Event notifications via email, text and C3 CMS
- Easy drag and drop camera management
- 4K output for local live and playback display
- Complete system analysis with real-time system, network and PoE status monitoring
- True HD and VGA simultaneous output support
- Up to 16 sensor input, 4 alarm relay output
- NVR calculation and auto-recording configuration
- Screen saver to protect monitor screen
- 5 year limited warranty

Built for Users.™

* See data sheets for specifications per camera.

Specifications

PART NUMBER		DW-VP16xT16P	DW-VP12xT8P	DW-VP9xT4P
Operating system		Embedded Linux		
Video compression		H.265, H.264		
System	Channel	16 channels PoE	8 channels PoE + 4 bonus channels	4 Channels PoE + 5 bonus channels
	No. of PoE	16-PoE channels	8-PoE channels	4-PoE channels
Display	Speed	Total 480fps	Total 360fps	Total 270fps
	Screen mode	1, 4, 9, 12 and 16	1, 4, 9 and 12	1, 4 and 9
Max. HDD bay and storage		4x SATA HDD, up to 32TB	4x SATA HDD, up to 32TB	2x SATA HDD, up to 32TB
Video input		IP camera max. 4K (3840x2160)	IP camera max. 4K (3840x2160)	IP camera max. 4K (3840x2160)
Video output		True HD output, VGA, up to 3840x2160 (4K) local display output		
Recording speed		Up to 480fps up to 4K resolution, max 160Mbps	Up to 360fps up to 4K resolution, max 80Mbps	Up to 270fps up to 4K resolution, max 80Mbps
Recording resolution		Simultaneous dual stream recording		
Audio input/output		1Ch input / 1Ch output		
Alarm input / Relay output		16Ch inputs / 4Ch outputs		4Ch inputs / 1Ch output
PTZ control		RS-485, ONVIF		
LAN		1 x Gigabit ethernet port		
Power requirements		110-240V A/C	110-240V A/C	48V DC
Power consumption		300 W total power budget, 5.5A, 9.37W per PoE channel (simultaneous)	360 W total power budget, 5.5A, 18.75W per PoE channel (simultaneous)	90 W total power budget, 1.875A 19W per PoE channel (simultaneous)
Operating temperature		41-104°F (5-40°C)		
Dimension (WxDxH)		17.32" x 15.66" x 2.79", 1.5U	17.32" x 15.66" x 2.79", 1.5U	14.96" x 12.4" x 2.02", 1U

IP cameras

MEGApix PANO™ 21MP 8MP

Panoramic View IP Cameras

Single- and multi-sensor 180° views at up to real-time 30fps and up to 21MP.

DW MEGApix PANO single- and multi-sensor IP cameras allow you to experience true panoramic views with the convenience of flexible sensor configuration at fast frame rates. When comparing overall system cost, these may be the most cost-effective cameras you can buy because they do more from a single installation, reducing all related costs, such as cabling and labor.

NDAA COMPLIANT PRODUCTS

21MP

Forensic-level details at real-time 30fps.

Get wide views and forensic details from one camera. MEGApix Pano single- and multi-sensor cameras produce 180° views via a single PoE Plus connection.

Zoom into forensic-level detail

8-21MP Total Resolution · Star-Light Plus™ · 360° 180° Panoramic View · Intelligent Video Analytics · 2.3mm Ultra-Wide Lens · True WDR · Smart IR™ · H.265 H.264/MJPEG Triple Codecs · IP66/67 Rated · 5YEAR Warranty

Features:

- 4x 6.4MP 1/1.8" image sensor at real-time 30fps, 21MP 180° panoramic view IP camera*
- 8MP 1/1.8" image sensor at real-time 30fps*
- Star-Light Plus™ color in near-total darkness technology*
- 4x 8.0mm fixed lens*
- 2.3mm ultra-wide lens*
- 100' Smart IR™ with intelligent camera sync*
- True wide dynamic range (WDR)*
- Fast frame rates: real-time 30fps at 21MP*
- Zero distortion anti-reflective glass*
- PoE injector included*
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming*
- Two-way audio
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Alarm sensor input and relay output
- Micro SD/SDHC/SDXC card slot (not included)*
- Web server built-in
- NDAA compliant
- IP66 and IP67-rated housing*
- 5 year warranty

Built for Users™

ONVIF

* See data sheets for specifications per camera.

NDAA COMPLIANT PRODUCTS

PART NUMBER		21MP Pano™ DWC-PZ21M69T	8MP Pano™ DWC-MBW8Wi2TW
			IVA Inside
Image	Image sensor	4x 5.2MP 1/1.8" CMOS	8MP 1/1.8" Star-Light Plus CMOS
	Total pixels	3096(H) X 2080(V)	3952 (H) x 2320 (V)
	Minimum scene illumination	0.16 lux (color)	0.29 lux (color)
		---	0 lux (B/W)
Audio input/ output		1 line in, 1 line out	1 line in, 1 line out
Lens	Focal length	4x 8.0mm lenses	2.3mm, F2.8
	Lens type	Fixed lenses	Ultra-wide angle lens
	IR distance	---	100ft range
	Angle of view	180° panoramic view	H:175° / V:80°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction	
	Wide dynamic range	---	True WDR
	Day and night	True D/N	True D/N
	Motion detection	Yes	Yes
	Alarm input	1 alarm input	1 alarm input
	Alarm output	1 alarm output	1 alarm output
Network	Video compression type	H.264, MJPEG	H.265, H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions	Up to 30fps at all resolutions
	Streaming capability	Simultaneous dual-streaming	
	On board storage	Micro SD/SDHC/SDXC	Micro SD / SDHC / SDXC
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS	
Environmental	Housing	Outdoor housing	Outdoor vandal bullet
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)
	IP rating	IP66-rated	IP67-rated
	IK rating	---	---
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant	FCC, CE, ROHS, NDAA compliant
Electrical	Power requirements	DC12V, PoE IEEE 802.3at PoE+ class 4 (PoE injector included)	DC12V, PoE IEEE 802.3af Class 3
	Power consumption	DC12V: 21.5W	DC12V: 8.9W PoE: 12.3W
		PoE IEEE802.3at class4: 23.2W	
Mechanical	Dimensions	7.55" x 4.25"	5.03" x 8.75" x 3.8"

IP cameras

MEGAPIX PANO™ 9MP 5MP

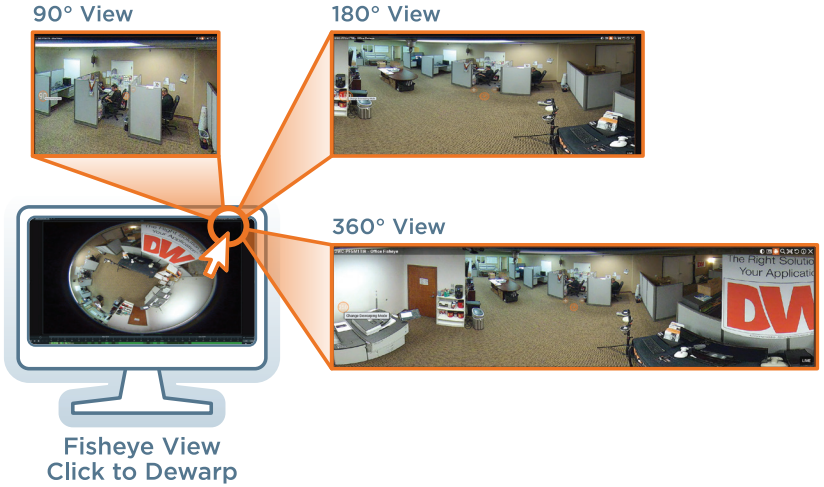
Panoramic View IP Cameras

360° fisheye views at real-time 30fps.

MEGApix Pano 360° view fisheye IP cameras with IR monitor an entire room with a single camera, providing the ultimate ROI with edge-to-edge image clarity.

Fisheye view.

MEGApix Pano 360° view fisheye cameras with IR monitor an entire room with a single camera, providing the ultimate ROI.



Features:

5/9MP Resolution | Fisheye Lens | 360° 180° Panoramic View | 360° Smart IR™ | IP66 Rated | 5YEAR Warranty

- 9MP and 5MP models at real-time resolution
- 2.1mm and 1.55mm fisheye lens options
- Support 360° hemispheric fisheye view an 360°, 180° and 90° panoramic views
- Edge-to-edge image clarity
- Multi codecs with simultaneous dual-stream
- 360° Smart IR™ with intelligent camera sync
- Two-way audio via DW Spectrum IPVMS*
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Alarm sensor input*
- Relay output*
- NDAA compliant
- IP66-rated
- 5 year warranty

Built for Users.™

ONVIF

NDAA COMPLIANT PRODUCTS

IVA Inside

IVA Inside

PART NUMBER		DWC-PVF9Di2TW	DWC-PVF5Di1TW
Image	Image sensor	12.4MP 1/1.7" CMOS	5MP 1/1.8" CMOS
	Total pixels	4000(H) X 3000(V)	3096(H) X 2080(V)
	Minimum scene illumination	0.3 lux (color)	0.39 lux (color)
		0 lux (B/W)	
Audio input/ output		1 line in, 1 line out	
Lens	Focal length	2.1mm	1.55mm
	Lens type	Fisheye lens	
	IR distance	80ft range	
	Angle of view	360°	
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction	
	Wide dynamic range	D-WDR	
	Day and night	True D/N	
	Motion detection	Yes	
	Alarm input	1 alarm input	
	Alarm output	1 alarm output	
Network	Video compression type	H.265 or H.264 or MJPEG	
	Frame rate	Up to 30fps at all resolutions	
	Streaming capability	Simultaneous dual-streaming	
	Onboard storage	Micro SD/SDHC/SDXC	
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS	
Environmental	Housing	Fisheye vandal dome	
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	
	IP rating	IP66-rated	
	IK rating	IK09-rated	
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant	
Electrical	Power requirements	12V DC, PoE IEEE 802.3af, Class 3	
	Power consumption	DC12V Max 8.5W	DC12V: max 7.5W
		PoE Max 10W	PoE: max 8.7W
Mechanical	Dimensions	4.9" x 1.88"	

* See data sheets for specifications per camera.

MEGApix® FLEX™ 20MP 16MP

Configurable Multi-Sensor IP Cameras

4in ONE One Installation

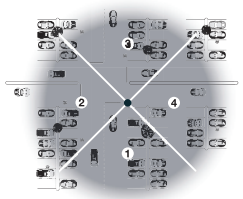
IVA Inside

NDAA COMPLIANT PRODUCTS

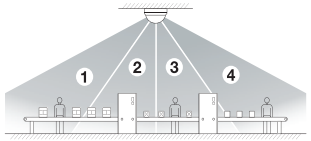
360°, 270° and 180° configurable views at real-time 30fps.

MEGApix Flex 16MP multi-sensor configurable IP cameras reduce total system cost by providing four 4MP CMOS sensors in one housing and installation and up to 20MP total resolution. The Flex cameras come with user-configurable fixed or vari-focal lens modules and produces four video streams at real-time 30fps. Zoom-in for forensic-quality details with DW Spectrum IPVMS.

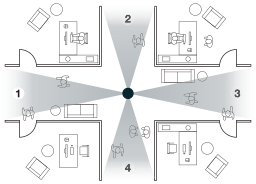
FLEX™ Four Cameras in One Installation!



360° Parking Lot Installation

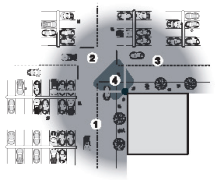


180° Assembly Line Installation



360° Hallway Installation

Sensor's max tilt: 70°



270° Corner Installation

Features:

UP TO 20MP Resolution at 30fps

4x Vari-Focal or Fixed Lens Modules

4-in-1 Install

Flexible Sensor Install

IP-Rated Housing

5YEAR Warranty

- 20MP (4x 5MP) and 16MP (4x 4MP) 1/3" image sensors at real-time 30fps*
- Star-Light Plus™ color in near-total darkness technology*
- 360° and 180° flexible panoramic view IP camera
- 4x 2.8~8.0mm vari-focal lens modules with motorized zoom and auto-focus*
- Available as a complete system with 4x 2.8mm, 4x 4.0mm, 4x 6.0mm or 4 x 8.0mm lens modules or camera and other lens options sold separately.*
- Four cameras in one installation
- 3-axis gimbal for wide range lens positioning
- Flexible sensor positioning on a magnetic base
- True wide dynamic range (WDR)
- PoE injector included
- Two-way audio
- Multi codecs (H.265, H.264, MJPEG) with simultaneous streaming*
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- 4x micro SD/SDHC/SDXC class 10 card (card not included)
- Alarm sensor input and relay output
- ONVIF conformant, profile S
- NDAA compliant

IP66 and IP67-rated housing options*

IK10 impact-resistant housing*

5 year warranty

ONVIF

PART NUMBER		DWC-PVX16W DWC-PVX16W8** DWC-PVX16W6** DWC-PVX16W4** DWC-PVX16W2**	DWC-PVX20WATW
Image	Image sensor	4x 4MP 1/3" CMOS	4x 1/2.8" 5.14MP Star-Light Plus™ CMOS
	Total pixels	4x 2688(H) X 1520(V)	4x 2592(H) x 1944(V)
	Minimum scene illumination	0.41 lux (color)	0.05 lux (color) 0.1 lux (B/W)
Audio input/ output		1 line in, 1 line out	
Lens	Focal length	2.8mm, 4.0mm, 6.0mm and 8.0mm options	4x 2.8 - 8.0mm
	Lens type	Fixed lens	Vari-focal lens with motorized zoom and auto-focus
	IR distance	---	
	Angle of view	90° (2.8mm), 51° (6.0mm), 81° (4.0mm), 39° (8.0mm)	4x 51° - 93°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction	
	Wide dynamic range	True WDR	
	Day and night	True D/N	
	Motion detection	Yes	
	Alarm input	1 alarm input	
	Alarm output	1 alarm output	
Network	Video compression type	H.264, MJPEG	H.265, H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions	
	Streaming capability	Simultaneous multi-streaming	
	Onboard storage	4x Micro SD/SDHC/SDXC cards	
	Video management software	DW Spectrum IPVMS	
Environmental	Housing	Outdoor vandal dome	
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	
	IP rating	IP66-rated	IP67-rated
	IK rating	---	IK 10-rated impact-resistant
	Other certifications	FCC, CE, ROHS, UL listed	FCC, CE, ROHS
Electrical	Power requirements	DC12V PoE+ IEEE 802.3at Class 4 (PoE Injector included)	DC12V, PoE IEEE 802.3bt PoE+ class 5 (High power PoE injector included)
	Power consumption	18w	DC12V: max 28W PoE: max 31W
Mechanical	Dimensions	7.48" x 3.54"	8.26" x 3.61"

* DWC-PVX16W2 includes 4x 2.8mm fixed lens modules installed. * DWC-PVX16W6 includes 4x 6.0mm fixed lens modules installed.
* DWC-PVX16W4 includes 4x 4.0mm fixed lens modules installed. * DWC-PVX16W8 includes 4x 8.0mm fixed lens modules installed.

IVA Intelligent Video Analytics

MEGApix® IVA/IVA+™

IP cameras with Intelligent Video Analytics

Built for Users.™

4K ULTRA HD

Powerful Intelligent Video Analytics (IVA) detecting and classifying people and objects in real-time.

The analysis of video content by the IVA engine provides users the ability to automatically analyze video, detect and determine events at the edge. Processing the raw video data in the camera itself, near the source, significantly reduces bandwidth consumption, increases accuracy and reduces response time. Additional capabilities are available by adding IVA+.

Logical Rules | Intrusion | Line Crossing | Counting Lines | Loitering | Enter | Exit | Tamper | Object Removed | Tailgating | Direction | Stopped | Appear | Disappear | Object Left

IVA Inside

IVA+ Inside

Licence Type	MEGApix IVA	MEGApix IVA+
Max Number of Detection Zones	40	40
Intrusion	✓	✓
Line Crossing	✓	✓
Counting Line	✓	✓
Loitering	✓	✓
Enter/Exit	✓	✓
Tamper	✓	✓
Object Removed		✓
Tailgating		✓
Direction		✓
Stopped		✓
Appear/Disappear		✓
Object Left		✓
Logical Rules		✓

NDAA COMPLIANT PRODUCTS

		20MP user-configurable camera	4K cameras					Ultra-wide bullet camera
PART NUMBER		DWC-PPVX20WATW	DWC-MPVC8WiATW	DWC-MPVC8Wi28TW	DWC-MPB48WiAT	DWC-MPVD8WiATW	DWC-MPVD8Wi28TW	DWC-MPBW8Wi2TW
Image	Image sensor	4x 1/2.8" 5.14MP Star-Light Plus™ CMOS	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	8MP 1/1.8" CMOS
	Total pixels	4x 2592(H) x 1944(V)	3864(H) x 2228(V)	3952 (H) x 2320 (V)	3952 (H) x 2320 (V)	3864(H) x 2228(V)	3952 (H) x 2320 (V)	3952 (H) x 2320 (V)
	Minimum scene illumination	0.05 lux (color) 0.1 lux (B/W)	0.043 lux (color)	0.18 lux (color)	0.09 lux (color)	0.09 lux (color)	0.12 lux (color)	0.29 lux (color)
			0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
Audio input/ output		1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out
Lens	Focal length	4x 2.8 ~ 8.0mm	2.7-13.5mm	2.8mm	2.7-13.5mm	2.7-13.5mm	2.8mm	2.3mm, F2.8
	Lens type	Vari-focal lens with motorized zoom and auto-focus	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Ultra-wide angle lens
	IR distance	---	100ft range	100ft range	140ft range	100ft range	100ft range	100ft range
	Angle of view	4x 51° ~ 93°	33.1°-90.3°	105.5°	33.1°-90.3°	33.1°-90.3°	105.5°	175°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction	Smart DNR™ 3D digital noise reduction					
	Wide dynamic range	True WDR	True WDR					
	Day and night	True D/N	True D/N					
	Motion detection	Yes						
	Privacy zones	---	16 privacy masks					
	Intelligent Video Analytics	IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper						
		IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left						
	Alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input
	Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output
Network	Video compression type	H.265, H.264, MJPEG	H.265, H.264, MJPEG					
	Frame rate	Up to 30fps at all resolutions	30fps at all resolutions					
	Streaming capability	Simultaneous multi-streaming	Simultaneous dual-streaming					
	Onboard storage	4x Micro SD/SDHC/SDXC cards	Micro SD / SDHC / SDXC					
	Video management software	DW Spectrum IPVMS	DW Spectrum IPVMS, plus other ONVIF conformant VMS					
Environmental	Housing	Outdoor vandal dome	Low-profile vandal dome	Low-profile vandal dome	Bullet	Galaxy™ vandal ball	Galaxy™ vandal ball	Bullet
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)		-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)		
	IP rating	IP67-rated	IP67-rated	IP67-rated	IP67-rated	IP66-rated	IP66-rated	IP67-rated
	IK rating	IK 10-rated impact-resistant	IK 10-rated impact-resistant			IK 9-rated impact-resistant		---
	Other certifications	FCC, CE, ROHS, NDAA compliant						
Electrical	Power requirements	DC12V, PoE IEEE 802.3bt PoE+ class 5 (High power PoE injector included)	DC12V, PoE IEEE 802.3af Class 3		DC12V, IEEE 802.3at PoE+ class 4	DC12V, PoE IEEE 802.3af Class 3		12V DC, PoE IEEE 802.3af, Class 3
	Power consumption	DC12V: max 28W PoE: max 31W	DC12V: 9.3W PoE: 11.6W	DC12V: 10W Po:E 13W	DC12V: 10.2W PoE: 16W	DC12V: 12.4W PoE: 14.9W	DC12V: 9.8W PoE: 13.9W	DC12V: 8.9W PoE: 12.3W
Mechanical	Dimensions	8.26" x 3.61"	4.92" x 3.62"	4.92" x 3.62"	12.2" x 3.81"	4.92" x 4.09"	4.92" x 4.09"	5.03" x 8.75" x 3.8"

IVA+ IP cameras

		Fisheye cameras		5MP cameras						Pinhole ATM camera
PART NUMBER		DWC-PPVF9Di2TW	DWC-PPVF5Di1TW	DWC-MPVA5WiAT	DWC-MPVA5Wi28T	DWC-MPV85WiATW	DWC-MPF5Wi4TW DWC-MPF5Wi6TW DWC-MPF5Wi8TW	DWC-MPV75Wi28TW DWC-MPV75Wi4TW DWC-MPV75Wi6TW	DWC-MPV45WiAT	DWC-MPPH2W28TW
Image	Image sensor	12.4MP 1/1.7" CMOS	5MP 1/1.8" CMOS	5MP 1/2.8" Star-Light Plus™ CMOS						2.1MP/1080p 1/2.8" CMOS
	Total pixels	4000(H) X 3000(V)	3096(H) X 2080(V)	2592(H) X 1944(V)						1945(H) X 1109(V)
	Minimum scene illumination	0.3 lux (color) 0 lux (B/W)	0.39 lux (color) 0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.13 lux (color) 0.0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.16 lux (color) 0.0 lux (B/W)	Color: 0.13 lux (DWC-MPV75Wi28TW) 0.16 lux (DWC-MPV75Wi4TW/6TW) 0.0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.065 lux (color)
Audio input/ output		1 line in, 1 line out	1 line in, 1 line out	---	---	1 line in, 1 line out	1 line in, 1 line out	---	1 line in, 1 line out	---
Lens	Focal length	2.1mm	1.55mm	2.7-13.5mm	2.8mm	2.7 ~ 13.5mm	4.0mm (DWC-MPF5Wi4TW) 6.0mm (DWC-MPF5Wi6TW) 8.0mm (DWC-MPF5Wi8TW)	2.8mm (DWC-MPV75Wi28TW) 4.0mm (DWC-MPV75Wi4TW) 6.0mm (DWC-MPV75Wi6TW)	2.7 ~ 13.5mm	2.8mm
	Lens type	Fisheye lens	Fisheye lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens
	IR distance	80ft range	80ft range	100ft range	100ft range	100ft range	50ft range	80ft range	100ft range	---
	Angle of view	360°	360°	31° ~ 85°	103°	31° ~ 96°	82.3° (DWC-MPF5Wi4TW) 51.9° (DWC-MPF5Wi6TW) 37.8° (DWC-MPF5Wi8TW)	102.4° (DWC-MPV75Wi28TW) 82.3° (DWC-MPV75Wi4TW) 51.9° (DWC-MPV75Wi6TW)	31° ~ 96°	106.6°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction								
	Wide dynamic range	D-WDR		True WDR						
	Day and night	True D/N								
	Motion detection	Yes								
	Privacy zones	---	---	16 privacy masks						16 privacy masks
	Intelligent Video Analytics	IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper								
		IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left								
	Alarm input	1 alarm input		---	---	1 alarm input	1 alarm input	---	1 alarm input	1 alarm input
	Alarm output	1 alarm output		---	---	1 alarm output	1 alarm output	---	1 alarm output	1 alarm output
Network	Video compression type	H.265, H.264, MJPEG								H.265, H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions								30fps at all resolutions
	Streaming capability	Simultaneous dual-streaming								Dual-streaming
	Onboard storage	Micro SD/SDHC/SDXC		---	---	Micro SD / SDHC / SDXC				Micro SD
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS								DW Spectrum IPVMS
Environmental	Housing	Fisheye vandal dome	Fisheye vandal dome	Vandal ball	Vandal ball	Low-profile vandal dome	Ultra low-profile vandal dome	Ultra low-profile vandal dome	Snapit™ vandal dome	Pinhole camera
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)							-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)
	IP rating	IP66-rated		IP67-rated		IP66-rated		IP67-rated	IP68-rated	---
	IK rating	IK09-rated		IK 10-rated impact-resistant						---
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant								CE, FCC, RoHS, NDAA compliant
Electrical	Power requirements	12V DC, PoE IEEE 802.3af, Class 3								DC 12V, PoE IEEE 802.3af Class 3
	Power consumption	DC12V Max 8.5W PoE Max 10W	DC12V: max 7.5W PoE: max 8.7W	DC12V: max 7.1W PoE: max 8.5W	DC12V: max 6.5W PoE: max 7.8W	DC12V: max 7.4W PoE: max 8.7W	DC12V: max 5.9W PoE: max 7.2W	DC12V: max 6W PoE: max 7.2W	DC12V: max 8.3W PoE: max 10.5W	DC12V: 3.6W PoE: 4W
Mechanical	Dimensions	4.9" x 1.88"	4.9" x 1.88"	4.92" x 4.8"	4.92" x 4.8"	4.9" x 3.6"	4.9" x 2.9"	4.13" x 2.4"	5.47" x 4.93"	Main unit: 4.21" x 4.88" x 1.41" Camera sensor: 1.1" x 1.08" Cable length: 21.32ft

2.1MP/1080p cameras

DWC-MPB45Wi650T	DWC-MPB45WiAT	DWC-MPB75Wi4T	DWC-MPVA2WiAT	DWC-MPVA2Wi28T	DWC-MPV82WiATW	DWC-MPF2Wi28TW DWC-MPF2WI4TW	DWC-MPV72Wi28ATW DWC-MPV72Wi4ATW	DWC-MPV72Wi28TW DWC-MPV72Wi4TW DWC-MPV72Wi6TW	DWC-MPB72Wi4T
5MP 1/2.8" CMOS Star-Light Plus™ CMOS			2.1MP/1080p 1/2.8" Star-Light Plus™ CMOS						
2592(H) X 1944(V)	2592(H) X 1944(V)	2560 (H) x 1440 (V)	1945(H) X 1109(V)	1945(H) X 1109(V)	1945(H) X 1109(V)	1945(H) x 1109(V)	1945(H) x 1109(V)	1945(H) x 1109(V)	1945 (H) x 1109 (V)
0.08 lux (color) 0.0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.16 lux (color) 0.0 lux (B/W)	0.043 lux (color) 0.0 lux (B/W)	0.05 lux (color) 0.0 lux (B/W)	0.02 lux (color) 0.0 lux (B/W)	0.25 lux (color) 0.0 lux (B/W)	0.05 lux (color) (DWC-MPV72Wi28ATW) 0.09 lux (color) (DWC-MPV72Wi28ATW) 0.0 lux (B/W)	0.09 lux (color) (DWC-MPV72Wi4TW, DWC-MPV72Wi6TW) 0.05 lux (color) (DWC-MPV72Wi28TW) 0.0 lux (B/W)	0.09 lux (color) 0.0 lux (B/W)
1 line in, 1 line out	1 line in, 1 line out	---	---	---	1 line in, 1 line out	1 line in, 1 line out	Built-in microphone	---	---
6~50mm	2.7 ~ 13.5mm	4.0mm	2.7 ~ 13.5mm	2.8mm	2.8 ~ 12mm	2.8mm	2.8mm (DWC-MPV72Wi28ATW) 4.0mm (DWC-MPV72Wi4ATW)	2.8mm (DWC-MPV72Wi28TW) 4.0mm (DWC-MPV72Wi4TW) 6.0mm (DWC-MPV72Wi6TW)	4.0mm
Vari-focal p-iris lens with motorized-zoom and auto-focus	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens			
140ft range	140ft range	100ft range	100ft range	100ft range	100ft range	50ft range	80ft range	80ft range	100ft range
6.9° ~ 40.8°	31° ~ 85°	82.3°	34.1° ~ 93.6°	110°	35° ~ 96°	115°	115° (DWC-MPV72Wi28ATW) 86° (DWC-MPV72Wi4ATW)	115° (DWC-MPV72Wi28TW) 86° (DWC-MPV72Wi4TW) 55° (DWC-MPV72Wi6TW)	86°
Smart DNR™ 3D digital noise reduction									
True WDR									
True D/N									
Yes									
16 privacy masks									
IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper									
IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left									
1 alarm input		---	---	---	1 alarm input	1 alarm input	---	---	---
1 alarm output		---	---	---	1 alarm output	1 alarm output	---	---	---
H.265, H.264, MJPEG									
Up to 30fps at all resolutions									
Simultaneous dual-streaming									
Micro SD / SDHC / SDXC			---	---	Micro SD / SDHC / SDXC				
DW Spectrum IPVMS, plus other ONVIF conformant VMS									
Bullet	Bullet	Bullet	Vandal ball	Vandal ball	Low-profile vandal dome	Ultra low-profile vandal dome			Bullet
-40°F ~ 122°F (-40°C ~ 50°C)		-4°F ~ 122°F (-20°C ~ 50°C)							
IP66-rated		IP67-rated			IP66-rated	IP67-rated			
IK 9-rated impact-resistant		---	IK 10-rated impact-resistant						---
FCC, CE, ROHS, UL listed, NDAA compliant									
DC12V, PoE IEEE 802.3af class 3							PoE IEEE 802.3af class 2		
DC12V: max 9W PoE: max 10.5W	DC12V: max 9W PoE: max 10.5W	DC12V: max 6.5W PoE: max 8.3W	DC12V: max 6.4W PoE: max 7.6W	DC12V: max 5.7W PoE: max 7.2W	DC12V: max 6.5W PoE: max 8.5W	DC12V: max 4W PoE: max 5.5W	DC12V: max 3.7W PoE: max 5.5W	DC12V: max 3.7W PoE: max 5.5W	DC12V: max 4.5W PoE: max 6W
9.73" x 3.8" (Based on sun shield cover position)	9.73" x 3.8" (Based on sun shield cover position)	6.41" x 2.65"	4.92" x 4.8"	4.92" x 4.8"	4.9" x 3.6"	4.9" x 2.9"	4.13" x 2.4"	4.13" x 2.4"	6.41" x 2.65"

IP Cameras

MEGApix® CaaS™ 5MP 4MP

Camera as a System

Built for Users.™

NDAA COMPLIANT PRODUCTS

What is CaaS?

DW's Camera as a System edge solutions allow business owners to setup a complete single- or multi-site surveillance system with no server or NVR required. The cameras can easily be managed via the full-featured DW Spectrum IPVMS pre-installed on the cameras. The software lets you access your system from any computer, any mobile phone and any tablet, with no recurring fees or high network bandwidth dependencies. No software to buy and install, no license keys and no OS to maintain.

Camera as a System.

The CaaS™ solution supports multiple cameras in the same network, and unlimited systems all accessible and manageable via DW Spectrum® client, app, and DW Cloud™.

4MP/5MP Resolution

UP TO 1TB Local Recording Storage

DW spectrum All-in-one cameras

No Server Required

Fisheye Lens

DW4LPR LPR

IP66 Rated

5YEAR Warranty

Features:

- All-in-one cameras, no server required
- 5MP and 4MP image sensor options
- LPR technology captures reflective license plates up to 50mph*
- Built-in 1TB and 512GB storage options for up to 90 days retained video*
- Support 360° fisheye view and 360°, 180° and 90° panoramic views*
- Edge-to-edge image clarity
- DW Spectrum IPVMS preloaded for out-of-the-box operation
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- Connect multiple MEGApix CaaS edge cameras in the same network
- True Wide Dynamic Range (WDR)*
- Dual recording option with Blackjack NAS appliance
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Cold start -40°F (-40°C)*
- 50-140ft smart IR™ with intelligent camera sync*
- CleanView™ hydrophobic dome coating*
- Smart DNR™ 3D digital noise reduction
- True day/night with IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio*
- Alarm sensor input*
- Relay output*
- Web server built-in
- Waterproof cabling*
- NDAA compliant
- IP66-rated
- IK10-rated impact-resistant*
- 5 year warranty

ONVIF

* See data sheets for specifications per camera.

MEGApix Camera as a System (CaaS™) IP cameras function as camera and recorder, eliminating the need for a dedicated server.

Fisheye camera

LPR camera

PART NUMBER		DWC-PVF5M1TIRWC5 DWC-PVF5M1TIRWC1T	DWC-MB44LPRC5 DWC-MB44LPRC1T	DWC-MB44Wi650C5 DWC-MB44Wi650C1T	DWC-MB44WiAC5 DWC-MB44WiAC1T	DWC-MV84WiAWC5 DWC-MV84WiAWC1T	DWC-MF4Wi6WC5 DWC-MF4Wi6WC1T	DWC-MF4Wi4WC5 DWC-MF4Wi4WC1T
Image	Image sensor	6.4MP 1/1.8" CMOS	4MP 1/3"x CMOS	4MP 1/3"x CMOS	4MP 1/3"x CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS
	Total pixels	3096 (H) X 2080 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)
	Minimum scene illumination	0.39 lux (color)	0 lux (B/W)	0.26 lux (color)	0.2 lux (color)	0.2 lux (color)	0.41 lux (color)	0.41 lux (color)
		0 lux (B/W)		0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)
Audio input/ output		---	---	1 line in, 1. line out	1 line in, 1. line out	---	---	---
Lens	Focal length	1.55mm, F2.5	6.0 ~ 50mm	6.0 ~ 50mm	2.8 ~ 12mm	2.8 ~ 12mm	6.0mm	4.0mm
	Lens type	Fisheye lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Fixed lens	Fixed lens
	IR distance	55ft range	60ft range	140ft range	120ft range	100ft range	50ft range	50ft range
	Field of view (FoV)	360°	90° ~ 7.3°	90° ~ 7.3°	87° ~ 32°	87° ~ 32°	51°	81°
Operational	Image capture range	---	Up to 60' and 50mph	---	---	---	---	---
	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Wide dynamic range	D-WDR	---	True WDR	True WDR	True WDR	True WDR	True WDR
	Day and night	True D/N	B/W mode only	True D/N	True D/N	True D/N	True D/N	True D/N
	Motion detection	Yes						
	Privacy zone	4 programmable privacy masks	16 programmable privacy masks			4 programmable privacy masks		
	Alarm input	---	---	1 alarm input	1 alarm input	---	---	---
	Alarm output	---	---	1 alarm output	1 alarm output	---	---	---
Network	Video compression type	H.264, MJPEG						
	Frame rate	Up to 30fps at all resolutions						
	Streaming capability	Dual-stream at different rates and resolutions						
	Video management software	DW Spectrum IPVMS and Genetec						
	Number of DW Spectrum® CaaS™ licenses included	1 DW Spectrum CaaS license included						
	Local server recording	DWC-PVF5M1TIRWC5: 512GB DWC-PVF5M1TIRWC1T: 1TB	DWC-MB44LPRC5: 512GB DWC-MB44LPRC1T: 1TB	DWC-MB44Wi650C5: 512GB DWC-MB44Wi650C1T: 1TB	DWC-MB44WiAC5: 512GB DWC-MB44WiAC1T: 1TB	DWC-MV84WiAWC5: 512GB DWC-MV84WiAWC1T: 1TB	DWC-MF4Wi6WC5: 512GB DWC-MF4Wi6WC1T: 1TB	DWC-MF4Wi4WC5: 512GB DWC-MF4Wi4WC1T: 1TB
	Max. number of CaaS™ cameras in the same network/system	Up to 30 MEGApix® CaaS™ cameras in the same network/system						
Environmental	Housing	Fisheye vandal dome	Bullet	Bullet	Bullet	Low-profile vandal dome	Ultra low-profile vandal dome	Ultra low-profile vandal dome
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)		-4°F ~ 122°F (-20°C ~ 50°C)		
	IP rating	IP66-rated		IP66 environmental-rated dust-tight and water-resistant		IP66-rated		
	IK rating	---	---	---	---	IK 10-rated impact-resistant	IK 10-rated impact-resistant	IK 10-rated impact-resistant
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant						
Electrical	Power requirements	DC12V, POE IEEE 802.3af class 3. Adaptor not Included.						
	Power consumption	LED on: 6.5W	DC12V max 11W	DC12V max 11W	DC12V max 11W	DC12V: max 7.1W	DC12V: max 5.6W	DC12V: max 5.6W
		LED off: 3.6W	PoE max 12.9W	PoE max 12.9W	PoE max 12.9W	PoE: max 9.2W	PoE: max 7.4W	PoE: max 7.4W
Mechanical	Dimensions	4.9" x 1.88"	9.73" x 3.8" * Based on the position of the sun shield cover	9.73" x 3.8" * Based on the position of the sun shield cover	8.77" x 3.07"	4.9" x 3.6"	4.9" x 2.9"	4.9" x 2.9"

IP Cameras

MEGAPIX® IP Cameras | 4K ULTRA HD | 8MP | 5MP | 4MP | 2.1MP

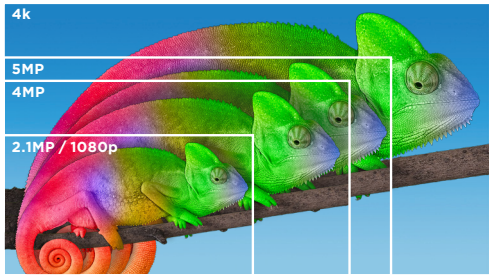
MEGApix IP cameras provide crystal-clear images at 30fps.

MEGApix cameras feature state-of-the-art user-friendly technology, providing superb digital zooming without detail loss or pixilation.

NDAA COMPLIANT PRODUCTS

Megapixel resolution.

DW's technology delivers crystal-clear images in resolutions up to 4K over coaxial infrastructure. Higher resolution delivers forensic details when zooming into the camera's field of view.



Star-Light Plus™ color in darkness technology.

Star-Light Plus color in near-total darkness technology provides crisp, clear color images in near darkness. The camera's sensor offers back-illuminated pixel technology featuring increased light sensitivity. The result is a high-quality color picture in the visible light and near infrared light.

Star-Light Plus™ monochrome images in near-total darkness.

Star-Light Plus™ delivers color image details in near-total darkness.

UP TO 4K Resolution | Star-Light Plus™ | DW4LPR LPR | P-Iris, Auto Focus & Fixed Lens Options | WDR | CleanView™ | Smart IR™ | IP66/67/68 Rated | 5 YEAR Warranty

Features:

- 4K, 8MP, 5MP, 4MP and 2.1MP/1080p image sensors at real-time 30fps
- Star-Light Plus color in darkness technology*
- Vari-focal and fixed lens options
- True Wide Dynamic Range (WDR)*
- Multiple codecs (H.265, H.264, MJPEG) with simultaneous streaming*
- Cold Start -40°F (-40°C)*
- 50-150' Smart IR™ with intelligent camera sync*
- CleanView™ hydrophobic dome coating repels water, dust and grease*
- Audio input through built-in microphone*
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter*
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)*
- Auto white balance (AWB)
- Motion detection
- Micro SD/SDHC/SDXC card (not included)*
- Junction box built-in*
- Alarm sensor input*
- Relay output*
- Web server built-in
- PoE class 2 and class 3 and DC12V
- Waterproof cabling
- ONVIF conformant, profile S
- UL listed*
- NDAA compliant*
- IP64-68-rated housing*
- IK 10-rated impact-resistant
- 5 year warranty

Built for Users.™

ONVIF

* See data sheets for specifications per camera.

4K cameras

NDAA COMPLIANT PRODUCTS

PART NUMBER		DWC-MVC8WiATW	DWC-MVC8Wi28TW	DWC-MB48WiAT	DWC-MVD8WiATW	DWC-MVD8Wi28TW
Image	Image sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor	4K 1/2.8" CMOS sensor
	Total pixels	3864(H) x 2228(V)	3952 (H) x 2320 (V)	3952 (H) x 2320 (V)	3864(H) x 2228(V)	3952 (H) x 2320 (V)
	Minimum scene illumination	0.043 lux (color)	0.18 lux (color)	0.09 lux (color)	0.09 lux (color)	0.12 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
Audio input/ output		1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out
Lens	Focal length	2.7-13.5mm	2.8mm	2.7-13.5mm	2.7-13.5mm	2.8mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens
	IR distance	100ft range	100ft range	140ft range	100ft range	100ft range
	Angle of view	33.1°-90.3°	105.5°	33.1°-90.3°	33.1°-90.3°	105.5°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction				
	Wide dynamic range	True WDR				
	Day and night	True D/N				
	Motion detection	Yes				
	Privacy zones	16 privacy masks				
	Capture image range	---	---	---	---	---
	Max. vehicle speed	---	---	---	---	---
	Alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input
	Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output
Network	Video compression type	H.265, H.264, MJPEG				
	Frame rate	30fps at all resolutions				
	Streaming capability	Simultaneous dual-streaming				
	Onboard storage	Micro SD / SDHC / SDXC				
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS				
Environmental	Housing	Low-profile vandal dome	Low-profile vandal dome	Bullet	Galaxy™ vandal ball	Galaxy™ vandal ball
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)
	IP rating	IP67-rated	IP67-rated	IP67-rated	IP66-rated	IP66-rated
	IK rating	IK 10-rated impact-resistant			IK 9-rated impact-resistant	
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant	FCC, CE, ROHS, NDAA compliant	FCC, CE, ROHS, UL listed, NDAA compliant		
Electrical	Power requirements	DC12V, PoE IEEE 802.3af Class 3		DC12V, IEEE 802.3at PoE+ class 4	DC12V, PoE IEEE 802.3af Class 3	
	Power consumption	DC12V: 9.3W PoE: 11.6W	DC12V: 10W Po:E 13W	DC12V: 10.2W PoE: 16W	DC12V: 12.4W PoE: 14.9W	DC12V: 9.8W PoE: 13.9W
Mechanical	Dimensions	4.92" x 3.62"	4.92" x 3.62"	12.2" x 3.81"	4.92" x 4.09"	4.92" x 4.09"

IP cameras

5MP cameras

PART NUMBER		DWC-MF5Wi4TW / DWC-MF5Wi6TW / DWC-MF5Wi8TW	DWC-MV75Wi28TW / DWC-MV75Wi4TW / DWC-MV75Wi6TW	DWC-MV45WiATW	DWC-MB75Wi4T	DWC-MV85WiATW	DWC-MB45WiAT
Image	Image sensor	5MP 1/2.8" Star-Light Plus™ CMOS					
	Total pixels	2592(H) X 1944(V)	2592(H) X 1944(V)	2592(H) X 1944(V)	2592(H) X 1944(V)	2592(H) X 1944(V)	
	Minimum scene illumination	0.16 lux (color) 0.0 lux (B/W)	0.13 lux (color) (DWC-MV75Wi28TW) 0.16 lux (color) (DWC-MV75Wi4TW/6TW) 0.0 lux (B/W)	0.08 lux (color)	0.16 lux (color)	0.08 lux (color)	
				0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	
Audio input/ output		1 line in, 1 line out	---	1 line in, 1 line out	---	1 line in, 1 line out	
Lens	Focal length	4.0mm (DWC-MF5Wi4TW) 6.0mm (DWC-MF5Wi6TW) 8.0mm (DWC-MF5Wi8TW)	2.8mm (DWC-MV75Wi28TW) 4.0mm (DWC-MV75Wi4TW) 6.0mm (DWC-MV75Wi6TW)	2.7 - 13.5mm	4.0mm	2.7 - 13.5mm	
	Lens type	Fixed lens	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	
	IR distance	50ft range	80ft range	100ft range	100ft range	100ft range	140ft range
	Angle of view	82.3° (DWC-MF5Wi4TW) 51.9° (DWC-MF5Wi6TW) 37.8° (DWC-MF5Wi8TW)	102.4° (DWC-MV75Wi28TW) 82.3° (DWC-MV75Wi4TW) 51.9° (DWC-MV75Wi6TW)	31° - 96°	82.3°	31° - 96°	85° - 31°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction					
	Wide dynamic range	True WDR					
	Day and night	True D/N					
	Motion detection	Yes					
	Privacy zones	16 privacy masks					
	Capture image range	---					
	Max. vehicle speed	---					
	Alarm input	1 alarm input	---	1 alarm input	---	1 alarm input	
	Alarm output	1 alarm output	---	1 alarm output	---	1 alarm output	
Network	Video compression type	H.265, H.264, MJPEG					
	Frame rate	30fps at all resolutions					
	Streaming capability	Simultaneous dual-streaming					
	Onboard storage	Micro SD / SDHC / SDXC					
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS					
Environmental	Housing	Ultra low-profile vandal dome	Ultra low-profile vandal dome	Snapit™ vandal dome	Bullet	Low-profile vandal dome	Bullet
	Operating temperature	-4°F - 122°F (-20°C - 50°C)		-40°F - 122°F (-40°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-40°F - 122°F (-40 C - 50 C)
	IP rating	IP66-rated	IP67-rated	IP68-rated	IP67-rated	IP66-rated	
	IK rating	IK 10-rated impact-resistant		IK 10-rated impact-resistant	---	IK 10-rated impact-resistant	IK 9-rated impact-resistant
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant					
Electrical	Power requirements	DC 12V, PoE IEEE 802.3af Class 3					
	Power consumption	DC12V: max 5.9W PoE: max 7.2W	DC12V: max 6W PoE: max 7.2W	DC12V: max 8.3W PoE: max 10.5W	DC12V: max 6.5W PoE: max 8.3W	DC12V: max 7.4W PoE: max 8.7W	DC12V: max 9W PoE: max 10.5W
Mechanical	Dimensions	4.9" x 2.9"	4.13" x 2.4"	5.47" x 4.93"	6.41" x 2.65"	4.9" x 3.6"	9.73" x 3.8"

5MP cameras

LPR camera

PTZ camera

DWC-MVA5WiAT	DWC-MVA5Wi28T	DWC-MB45iALPRT	DWC-MB45Wi650T
5MP 1/2.8" Star-Light Plus CMOS	5MP 1/2.8" Star-Light Plus CMOS	5MP 1/2.8" Star-Light Plus CMOS	5MP 1/2.8" Star-Light Plus CMOS
2592(H) X 1944(V)	2592(H) X 1944(V)	2592(H) X 1944(V)	2592(H) X 1944(V)
0.08 lux (color) 0.0 lux (B/W)	0.13 lux (color) 0.0 lux (B/W)	0.0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)
---	---	1 line in, 1 line out	
2.7-13.5mm	2.8mm	6-50mm	
Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	
100ft range	100ft range	80ft range	140ft range
31° ~ 85°	103°	6.9° ~ 40.8°	
Smart DNR™ 3D digital noise reduction			
True WDR		---	True WDR
True D/N		B/W mode only	True D/N
Yes			
16 privacy masks			
		Up to 60'	---
		50mph	---
---	---	1 alarm input	
---	---	1 alarm output	
H.265, H.264, MJPEG		H.265, H.264, MJPEG	
30fps at all resolutions			
Simultaneous dual-streaming			
---	---	Micro SD / SDHC / SDXC	
DW Spectrum IPVMS, plus other ONVIF conformant VMS			
Vandal ball	Vandal ball	Bullet	Bullet
-4°F ~ 122°F (-20°C ~ 50°C)		-40°F ~ 122°F (-40°C ~ 50°C)	
IP67-rated		IP66-rated	
IK 10-rated impact-resistant		IK 9-rated impact-resistant	
FCC, CE, ROHS, UL listed, NDAA compliant			
DC 12V, PoE IEEE 802.3af Class 3			
DC12V: max 7.1W PoE: max 8.5W	DC12V: max 6.5W PoE: max 7.8W	DC12V: max 9W PoE: max 10.5W	DC12V: max 9W PoE: max 10.5W
4.92" x 4.8"	4.92" x 4.8"	9.73" x 3.8" * Based on the position of the sun shield cover	

PART NUMBER		DWC-MPTZ336XW	DWC-MPTZ230XTW
Image	Image sensor	3MP 1/2.8" Star-Light Plus™ CMOS	2.1MP/1080p 1/3" Star-Light Plus™ CMOS
	Total pixels	2065 (H) x 1565 (V)	1981(H) X 1288(V)
	Min. scene illumination	0.35 lux (color) 0 lux (B/W)	0.05 lux (color) 0 lux (B/W)
Audio input/output		1x line in and 1x line out	
Lens	Focal length	4.6 ~ 165.6mm	4.3-129mm
	Lens type	Motorized zoom PTZ lens	
	IR distance	1148ft range	200ft range
	Optical zoom	36x optical zoom	30x optical zoom
	Angle of view	58.1-1.9°	65.1°-2.34°
Operational	Digital noise reduction	Smart DNR™ 3D digital noise reduction	
	Wide dynamic range	True WDR	
	Day and night	True D/N	
	Motion detection	Yes	
	Privacy zones	16 privacy masks	
	Range	360° endless, max. 380° per second	360° endless, max 360° per second
	Preset sequence	-10-190°, max. 380° per second	5-90°, max 360° per second
	Tour	256 presets	255 presets
	Speed	8 tours	10 tours
	Alarm input	4 alarm inputs	1 alarm input
	Alarm output	1 alarm output	1 alarm output
Network	Video compression type	H.265, H.264, MJPEG	
	Frame rate	30fps at all resolutions	
	Streaming capability	Quad streaming	Dual-streaming
	On board storage	Micro SD / SDHC / SDXC	
	Video management software	DW Spectrum IPVMS	
Environmental	Housing	PTZ high-speed dome	
	Operating temperature	-22°F ~ 131°F (-30°C ~ 55°C)	-4°F ~ 122°F (20°C ~ 50°C)
	IP rating	IP66-rated	
	IK rating	IK 10-rated impact-resistant	
	Other certifications	CE, FCC, RoHS	CE, FCC, RoHS, NDAA compliant
Electrical	Power requirements	PoE UPoE, Class 4 (PoE injector included), DC 12V	PoE IEEE 802.3bt class5 (PoE injector included), DC24V, AC24V
	Power consumption	PoE: 28W, 500mA DC 12V: 28W, 2.3A	DC24V: 40W, 1666mA AC24V: 35W, 1485mA PoE: 42W, 1750mA
Mechanical	Dimensions	7.94" x 12.51"	5.9" x 9.13"

IP cameras

IP cameras with DMP SecuriCam® video verification

WHITE LIGHT TECHNOLOGY

PART NUMBER		DWC-MB75Wi4TDMP	DWC-MF5Wi4TWDMP	DWC-MB72Wi4TDMP	DWC-MF2Wi4TWDMP	DWC-MT95WW28TW
Image	Image sensor	4MP 1/2.8" Star-Light Plus CMOS		2.1MP/1080p 1/2.8" Star-Light Plus CMOS		5MP 1/2.7" CMOS
	Total pixels	2560 (H) x1440 (V)		1945 (H) x 1109 (V)		2592 (H) × 1944 (V)
	Minimum scene illumination	0.16 lux (color)		0.09 lux (color)		0.0 lux (B/W)
		0.0 lux (B/W)		0.0 lux (B/W)		
Audio input/ output		---				1 audio input and 1 microphone built-in
Lens	Focal length	4.0mm		4.0mm		2.8mm
	Lens type	Fixed lens				Fixed Lens
	IR distance	100ft range	50ft range	100ft range	50ft range	2 white light LEDs, 98ft range
	Angle of view	82.3°	82.3°	86°	86°	94.8°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction				Smart DNR™ 3D digital noise reduction
	Wide dynamic range (WDR)	---				True WDR
	Day and night	True D/N				True D/N
	Motion detection	Yes				Yes
	Privacy zones	---				4 programmable privacy masks
	Alarm input	---				---
	Alarm output	---				---
Network	Video compression type	H.264				H.265, H.264, MJPEG
	Frame rate	10fps				Up to 30fps at all resolutions
	Streaming capability	Based on the DMP system				Simultaneous dual-streaming
	Onboard storage	---	---	---	---	Micro SD / SDHC / SDXC
	Video management software	DMP®				DW Spectrum IPVMS, plus other ONVIF conformant VMS
Environmental	Housing	Bullet	Ultra low-profile vandal dome	Bullet	Ultra low-profile vandal dome	Turret
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)				-22°F ~ 140°F (-30°C ~ 60°C)
	IP rating	IP67-rated	IP66-rated	IP67-rated	IP66-rated	IP67-rated
	IK rating	---	IK 10-rated impact-resistant	---	IK 10-rated impact-resistant	IK10-rated impact-resistant
	Other certifications	CE, FCC, ROHS, UL listed, NDAA compliant				CE, FCC, ROHS, NDAA compliant
Electrical	Power requirements	DC 12V, PoE IEEE 802.3af Class 3		DC 12V, PoE IEEE 802.3af Class 2		DC 12V, PoE IEEE 802.3af Class 3.
	Power consumption	DC12V: max 6.5W PoE: max 8.3W	DC12V: max 5.9W PoE: max 7.2W	DC12V: max 4.5W PoE: max 6.0W	DC12V: max 4.0W PoE: max 5.5W	< 7W
Mechanical	Dimensions	6.41" x 2.65"	4.9" x 2.9"	6.41" x 2.65"	4.9" x 2.9"	4.66" x 3.58"

5MP cameras

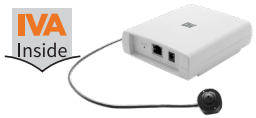
2.1MP/1080p cameras

DWC-MV95Wi28TW DWC-MV95Wi36TW	DWC-MV95WiATW	DWC-MT95Wi28TW DWC-MT95Wi36TW	DWC-MT95WiATW	DWC-MB95Wi28T DWC-MB95Wi36T	DWC-MVA2WiAT	DWC-MVA2Wi28T
5MP 1/2.7" CMOS					2.1MP/1080p 1/2.8" Star-Light Plus CMOS	
2592 (H) × 1944 (V)					1945(H) X 1109(V)	
0.02 lux (color)	0.01 lux (color)	0.02 lux (color)	0.01 lux (color)	0.02 lux (color)	0.043 lux (color)	0.05 lux (color)
0.0 lux (B/W)					0.0 lux (B/W)	0.0 lux (B/W)
1 audio input and 1 microphone built-in		1 audio input and 1 microphone built-in		1 line in	---	
2.8mm (DWC-MV95Wi28TW) 3.6mm (DWC-MV95Wi36TW)	2.8-12mm	2.8mm (DWC-MT95Wi28TW) 3.6mm (DWC-MT95Wi36TW)	2.8-12mm	2.8mm (DWC-MB95Wi28T) 3.6mm (DWC-MB95Wi36T)	2.7 - 13.5mm	2.8mm
Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens
100ft range	164ft range	100ft range	164ft range	164ft range	100ft range	100ft range
98.5° (DWC-MV95Wi28TW) 81.4° (DWC-MV95Wi36TW)	95.1° - 30°	98.5° (DWC-MT95Wi28TW) 81.4° (DWC-MT95Wi36TW)	95.1° - 30°	98.5° (DWC-MB95Wi28T) 81.4° (DWC-MB95Wi36T)	93.6° - 34.1°	110°
Smart DNR™ 3D digital noise reduction					Smart DNR™ 3D digital noise reduction	
True WDR					True WDR	
True D/N					True D/N	
Yes					Yes	
4 programmable privacy masks					16 Privacy masks	
1 alarm input		---			---	
1 alarm output		---			---	
H.265, H.264, MJPEG					H.265, H.264, MJPEG	
Up to 30fps at all resolutions					30fps at all resolutions	
Simultaneous dual-streaming					Simultaneous dual-streaming	
Micro SD / SDHC / SDXC					Micro SD / SDHC / SDXC	
DW Spectrum IPVMS, plus other ONVIF conformant VMS					DW Spectrum IPVMS, plus other ONVIF conformant VMS	
Vandal dome		Turret		Bullet	Vandal ball	Vandal ball
-22°F - 140°F (-30°C - 60°C)					-4°F - 122°F (-20°C - 50°C)	
IP67-rated					IP67-rated	IP67-rated
IK 10-rated impact-resistant					IK 10-rated impact-resistant	IK 10-rated impact-resistant
CE, FCC, ROHS, NDAA compliant					FCC, CE, ROHS, UL listed, NDAA compliant	
DC 12V, PoE IEEE 802.3af Class 3.					DC12V, PoE IEEE 802.af, class 3	DC12V, PoE IEEE 802.af, class 3
<6W	<9W	<7W	<9W	<9W	DC12V: max 6.4W PoE: max 7.6W	DC12V: max 5.7W PoE: max 7.2W
4.59" x 3.54"	5.43" x 3.93"	4.66" x 3.58"	5.16" x 4.13"	8.69" x 3.16" x 2.77"	4.92" x 4.8"	4.92" x 4.8"

IP cameras

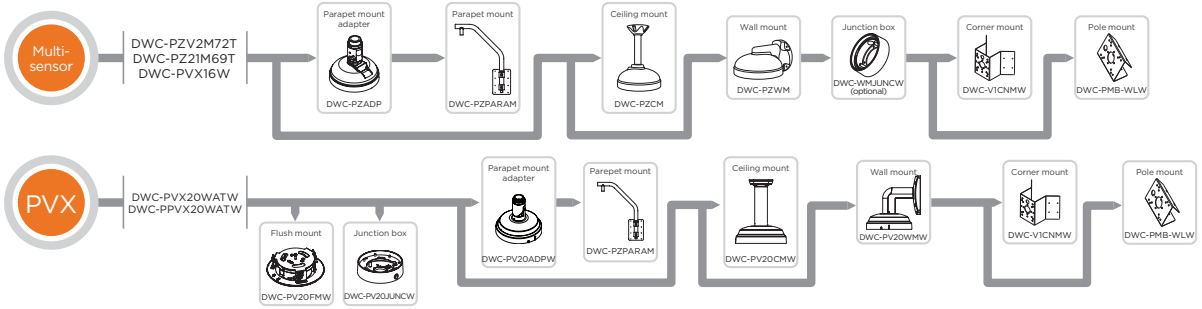
2.1MP/1080p cameras

PART NUMBER		DWC-MB72Wi4T	DWC-MD72Di28T	DWC-MV72Di28TW DWC-MV72Di4TW	DWC-MV82DiVT	DWC-MB62DiVT
Image	Image sensor	2.1MP/1080p 1/2.8" Star-Light Plus CMOS	2.1MP/1080p 1/2.9" CMOS			
	Total pixels	1945(H) X 1109(V)	2001 (H) X 1121 (V)			
	Minimum scene illumination	0.09 lux (color)	0.25 lux (Color)	0.16 lux (Color)	0.16 lux (Color)	0.16 lux (Color)
		0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)
Audio input/ output		---				
Lens	Focal length	4.0mm	2.8mm	2.8mm (DWC-MV72Di28TW) 4.0mm (DWC-MV72Di4TW)	2.7 ~ 13.5mm	
	Lens type	Fixed lens	Fixed lens	Fixed lens	Vari-focal lens	
	IR distance	100ft range	50ft range	80ft range	100ft range	100ft range
	Angle of view	86°	109°	103° (DWC-MV72Di28TW) 84° (DWC-MV72Di4TW)	89.6° ~ 27°	
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction				
	Wide dynamic range (WDR)	True WDR	D-WDR			
	Day and night	True D/N				
	Motion detection	Yes				
	Privacy zones	16 Privacy masks				
	Alarm input	---				
	Alarm output	---				
Network	Video compression type	H.265, H.264, MJPEG				
	Frame rate	30fps at all resolutions				
	Streaming capability	Simultaneous dual-streaming				
	Onboard storage	Micro SD / SDHC / SDXC	---	---	---	---
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS				
Environmental	Housing	Bullet	Indoor dome	Ultra low-profile vandal dome	Low-profile vandal dome	Bullet
	Operating temperature	-4°F ~ 122°F (-20°C~ 50°C)	-4°F ~ 122°F (-20°C~ 50°C)	-4°F ~ 122°F (-20°C~ 50°C)	-4°F ~ 122°F (-20°C~ 50°C)	-4°F ~ 122°F (-20°C~ 50°C)
	IP rating	IP67-rated	---	IP67-rated	IP66-rated	IP66-rated
	IK rating	---	---	IK 10-rated impact-resistant	IK 10-rated impact-resistant	---
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant				
Electrical	Power requirements	DC12V, PoE IEEE 802.af, class 2	DC 12V, PoE IEEE 802.3af, class 2		DC 12V, PoE IEEE 802.3af, class 3	
	Power consumption	DC12V: max 4.5W PoE: max 6W	DC12V: max 3.8W PoE: max 5.5W	DC12V: max 3.7W PoE: max 5.4W	DC12V: max 4.3W PoE: max 6.2W	DC12V: max 5.2W PoE: max 7.0W
Mechanical	Dimensions	6.41" x 2.65"	4.13" x 2.93"	4.13" x 2.4"	4.9" x 3.6"	9.92" x 3.81"

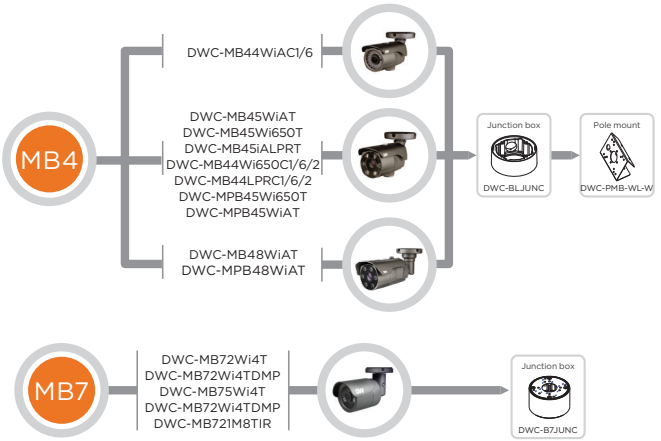
2.1MP/1080p cameras with built-in microphone		2.1MP/1080p cameras		Pinhole ATM camera
				
DWC-MV72Wi28ATW / DWC-MV72Wi4ATW		DWC-MF2Wi28TW	DWC-MV72Wi6TW	DWC-MPH2W28TW
2.1MP/1080p 1/2.8" Star-Light Plus CMOS		2.1MP/1080p 1/2.8" Star-Light Plus™ CMO	2.1MP/1080p 1/2.8" Star-Light Plus CMOS	2.1MP/1080p 1/2.8" CMOS
1945(H) x 1109(V)		1945(H) x 1109(V)	1945(H) x 1109(V)	1945(H) X 1109(V)
0.05 lux (color) (DWC-MV72Wi28ATW) 0.09 lux (color) (DWC-MV72Wi28ATW)		0.25 lux (color)	0.09 lux (color)	0.065 lux (color)
0.0 lux (B/W)		0.0 lux (B/W)	0.0 lux (B/W)	
Built-in microphone		1 line in, 1 line out	---	---
2.8mm (DWC-MV72Wi28ATW) 4.0mm (DWC-MV72Wi4ATW)		2.8mm	6.0mm (DWC-MV72Wi6TW)	2.8mm
Fixed lens				
80ft range		50ft range	80ft range	---
115° (DWC-MV72Wi28ATW) 86° (DWC-MV72Wi4ATW)		115°	55° (DWC-MV72Wi6TW)	106.6°
Smart DNR™ 3D digital noise reduction				
True WDR				
True D/N				
Yes				
16 privacy masks				
---		1 alarm input	---	1 alarm input
---		1 alarm output	---	1 alarm output
H.265, H.264, MJPEG		H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
30fps at all resolutions				
Simultaneous dual-streaming				Dual-streaming
Micro SD / SDHC / SDXC				Micro SD
DW Spectrum IPVMS, plus other ONVIF conformant VMS				DW Spectrum IPVMS
Ultra low-profile vandal dome				Pinhole camera
-4°F ~ 122°F (-20°C ~ 50°C)				
IP67-rated		IP66-rated	IP67-rated	---
IK 10-rated impact-resistant				---
FCC, CE, ROHS, UL listed, NDAA compliant		FCC, CE, ROHS, UL listed, NDAA compliant		CE, FCC, RoHS, NDAA compliant
PoE IEEE 802.3af class 2			PoE IEEE 802.3af class 2	DC 12V, PoE IEEE 802.3af Class 3
DC12V: max 3.7W PoE: max 5.5W		DC12V: max 4W PoE: max 5.5W	DC12V: max 3.7W PoE: max 5.5W	DC12V: 3.6W PoE: 4W
4.13" x 2.4"		4.9" x 2.9"	4.13" x 2.4"	Main unit: 4.21" x 4.88" x 1.41" Camera sensor: 1.1" x 1.08" Cable length: 21.32ft

Camera accessories

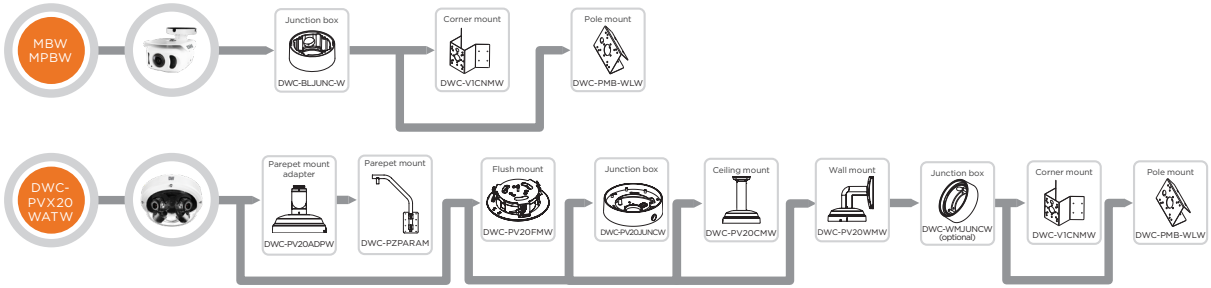
Multi-sensor and 16MP user-configurable dome cameras



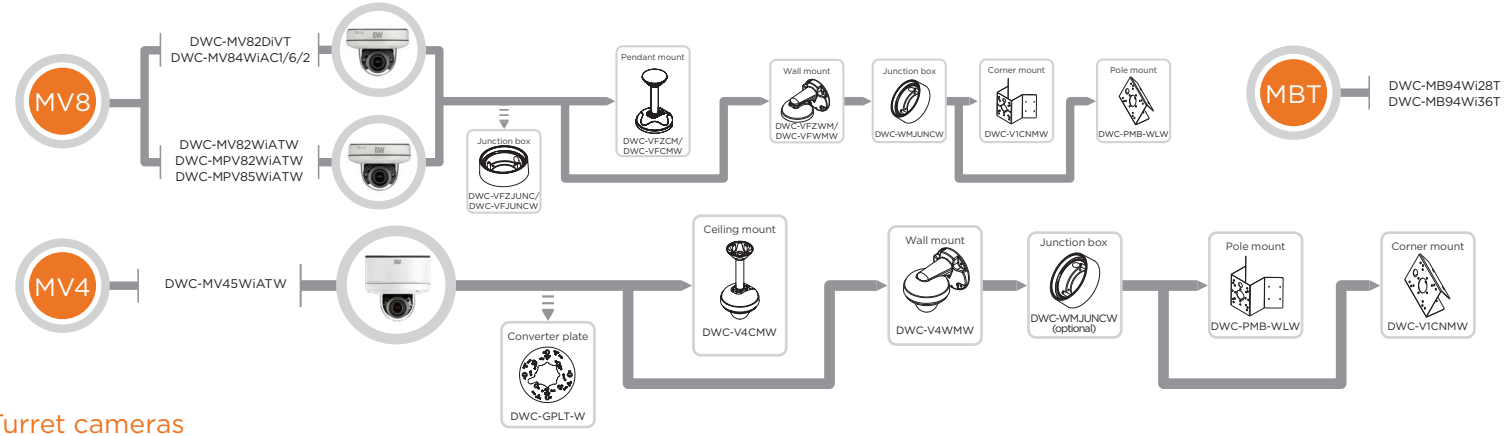
Weather resistant bullet cameras



Ultra-wide view bullet camera



Vandal dome cameras

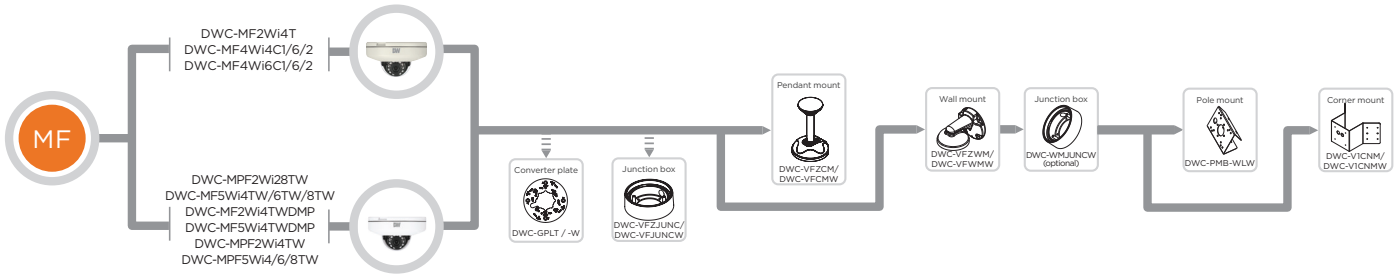


Weather resistant bullet cameras

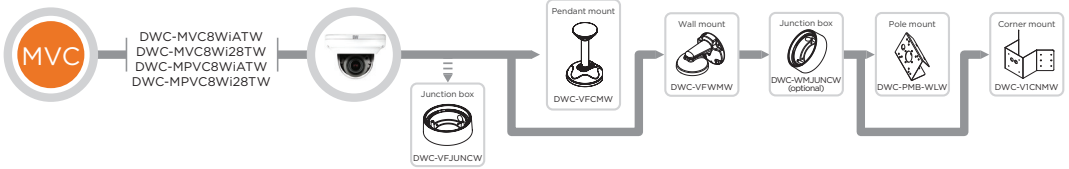
Turret cameras

Camera accessories

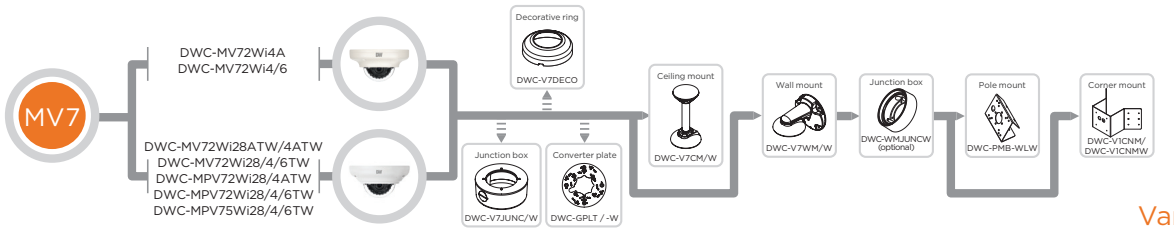
Outdoor vandal dome cameras



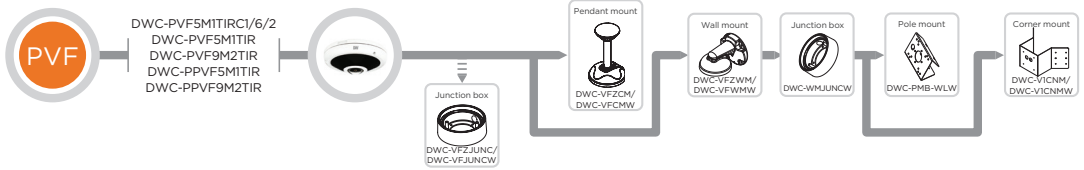
Outdoor vandal dome camera



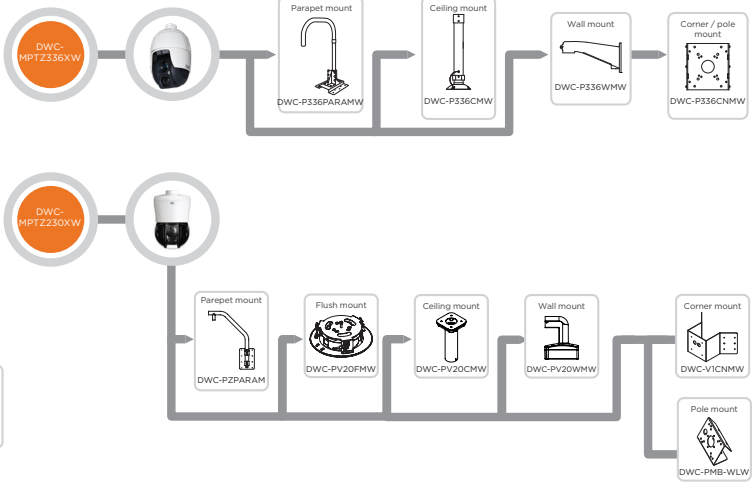
MV7 ultra low-profile outdoor vandal dome cameras



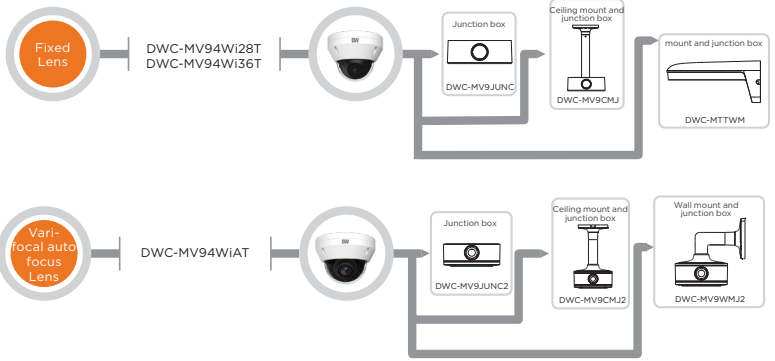
Vandal fisheye cameras



Pan, tilt, zoom dome camera



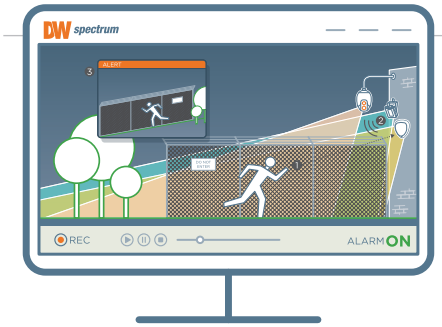
Vandal dome cameras



SiteWatch™ Detectors by Digital Watchdog® NightWatch™ Illuminators by Digital Watchdog®

Complement your surveillance system with motion detectors and illuminators.

SiteWatch motion detectors and NightWatch illuminators upgrade any system needing external lighting or motion detection. All detectors and illuminators are fully integrated with DW Spectrum IPVMS and can be managed remotely.



Manage with DW Spectrum IPVMS.

As the detectors sense motion illuminators and cameras turn on and activate recording and notifications.

DW spectrum® IPVMS
Complete Scalable Video Management

NightWatch Features*:

- IR, white light and hybrid LED illuminators
- Interchangeable lens pack to deliver a variety of angles out of the box
- Direct integration with DW Spectrum IPVMS
- Create different elliptical beam profiles
- Motion activated
- Coverage distance up to 374' (115m)/614' (187m)*
- CleanView hydrophobic coating repels water, dust and grease*
- Configure lights to switch on when motion is detected
- Activate white-light to deter intruders*
- Remotely adjustable photocell and illumination levels
- 850nm/940nm wavelength*
- Ultra-white FFI 6000K white-light*
- Visible spectrum wavelength (400- 750nm)*
- Vibration/shock sensor*
- Web Interface built-in
- High-power Dual-Core LED's with advanced, current limited and integral control circuitry
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 09-rated impact-resistant

SiteWatch Features*:

- External movement detector
- Quad element passive infra-red (PIR) sensor
- PIR and microwave detection technologies
- Two (2) volt-free outputs and two (2) negative-switched outputs
- Up to 98.5ft (30m) / 1640ft (500m) detection*
- Exceptional resistance to false alarms
- Advanced signal processing, quad pyro and optical systems
- Trigger lights and smart devices when movement is detected
- 10° - 70° detection angle*
- Direct integration with DW Spectrum IPVMS
- Intruder notifications
- Set up lux-level events to operate blinds and curtains
- Environmental temperature monitoring to help manage internal air conditioning and heating
- 20 Fully adaptable alarm zones to meet any situation*
- IP alarms and relay output (DW-DTLA500)
- Alarm notifications (DW-DTLA500)
- Web Interface built-in
- PoE class 1 and 2 and DV48V
- NDAA/TAA compliant
- IP environmental-rated housing

Built for Users.™

NightWatch Accessories:

DW-ILWM1
Mounting bracket for a single (1) illuminator

DW-ILWM2
Mounting bracket for two (2) illuminators

DW-ILWM3
Mounting bracket for three (3) illuminators

DW-ILPM1
Pole mount bracket for a single (1) illuminator

* Not all products carry same features. See product data sheets for all specifications

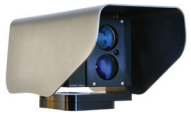
Illuminators and motion detectors

Illuminators

NDAA/TAA COMPLIANT PRODUCTS

SPECIFICATIONS	DW-ILHYBIP850 / DW-ILHYBIP940	DW-ILIRIP850 / DW-ILIRIP940	DW-ILWLIPM
Construction	Robust high-quality aluminum extrusion, black anodized finish		
Photocell	Software adjustable 20 – 70 lux		
Illumination	Software adjustable 10% - 100% with pulse modes		
Operating temperature	-58° to 140°F (-50° to 60°C)	-58°F to 122°F (-50°C to 50°C)	
Mount	Powder coated stainless steel wall mount		
Input	PoE+ (IEEE802.3at)		
Consumption	26W		
IP rating	IP66 environmental-rated dust-tight and water-resistant		
IK rating	IK09 impact-resistant in accordance with IEC/EN 62262	---	---
Electronics	High-efficiency surface mount high power Dual-Core™ LEDs with advanced, current limited, integral control circuity		
Lumen output	1800 lm	---	2400lm
Color temperature	Ultra white ≈ 6000K	---	5700K (6000K and 6500K options available to order)
Color rendering index	>70	---	Typ. 80
Recommended PSU	Any IEEE 802.3at injector (not included)		
Remote access	Web browser user interface. Full control via DW Spectrum IPVMS		
Wavelength	850nm (DW-ILHYBIP850) 940nm (DW-ILHYBIP850)	850nm (DW-ILHYBIP850) 940nm (DW-ILHYBIP850)	400- 750nm
Coverage distance	614' (187m) (DW-ILHYBIP850) 374' (115m) (DW-ILHYBIP850)	614' (187m) (DW-ILHYBIP850) 374' (115m) (DW-ILHYBIP850)	374' (115m)
Shock sensor and pressure equalization vent	Prevents thermal expansion and pressure cycling	---	---
Warranty	2 year warranty		

Laser sensor



NDAA/TAA COMPLIANT PRODUCTS

SPECIFICATIONS	DW-DTLA500
Field of application	Outdoor surveillance and monitoring
Alarm zones	Up to 20 fully adaptable zones, each zone has individual alarm sensitivity settings and alarm actions.
Alarm actions	Network alarm, relay. Easy direct integration with IP to VMS, enabling PTZ control, automatic video recording and object position.
Self awareness	Adaptive digital processing algorithm suppresses noise from fog and snow, and detects challenging weather to allow alarms to VMS.
Detection range	0 - 1640ft (500m)
Detection resolution	+/- 1 dm
Update rate	250 Hz
Laser wavelength	905nm
Beam divergence	2.0 x 2.0 mRad
Alignment laser	Yes
Laser class	Class 2 laser product, eye-safe
Power supply	Power over Ethernet (48V DC) or 12 V DC
Power consumption	4W (PoE class 2)
Operating temperature	-22°F to +140°F (-30°C to +60°C)
Interface	Ethernet IEEE 802. 3af, TCP/IP, web browser used interface
Relay switch	Max 30V 200mA, NC and NO
Mounting	4 x M5 - Bosch compatible 2.87" x 1.61" (73 x 41mm) 4 x M5 - Axis compatible 1.57" x 2.44" (40 x 62mm) 2 x M6 - common standard 2.87" (73mm C-C) 5/8"-11 UNC (tripod mount)
Enclosure rating	IP66
Color	Shell: gray, sensor: black
Weight	2.4Kg
Warranty	1 year warranty

Motion detectors

NDAA/TAA COMPLIANT PRODUCTS

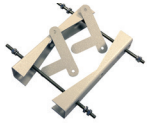
SPECIFICATIONS	DW-DTMWIPW	DW-DTPWIPW
Detection range	Up to 98.5ft (30m) programmable	
Coverage	10° - 70° detection angle, 98.5ft x 98.5ft (30m x 30m) max.	
Sensing module	Dual-tech: Microwave + quad PIR	Quad PIR
Walk test	Output test mode with LED indication	
Operating temperature	-4°F to 131°F (-20°C to +55°C) conformally coated electronics for increased stability	
Adjustment	180° pan + 90° tilt	
Mounting height	Optimum 9.8ft (3m)	
Indicator LEDs	1 x blue LED on alarm	1 x blue LED on alarm 1 x red PIR detection 1 x green microwave detection
Outputs	Two N/C volt free relay contacts. Web interface set up required.	
Power input	Power over Ethernet (48V DC)	
Power consumption	Max 3.8W, PoE class 1	
Ethernet standard	Ethernet IEEE 802.3af, TCP/IP	
Remote access	Web browser user interface. No software or installation needed	
Microwave frequency	10.525GHz	---
Warranty	2 year warranty	

SiteWatch Accessories:

DW-DTWMDTLA5
Mounting bracket

DW-DTWT
Walk tester

DW-DTCAW
Conduit adaptor



DW-DTPM
Pole mount bracket

Applications to manage your system remotely

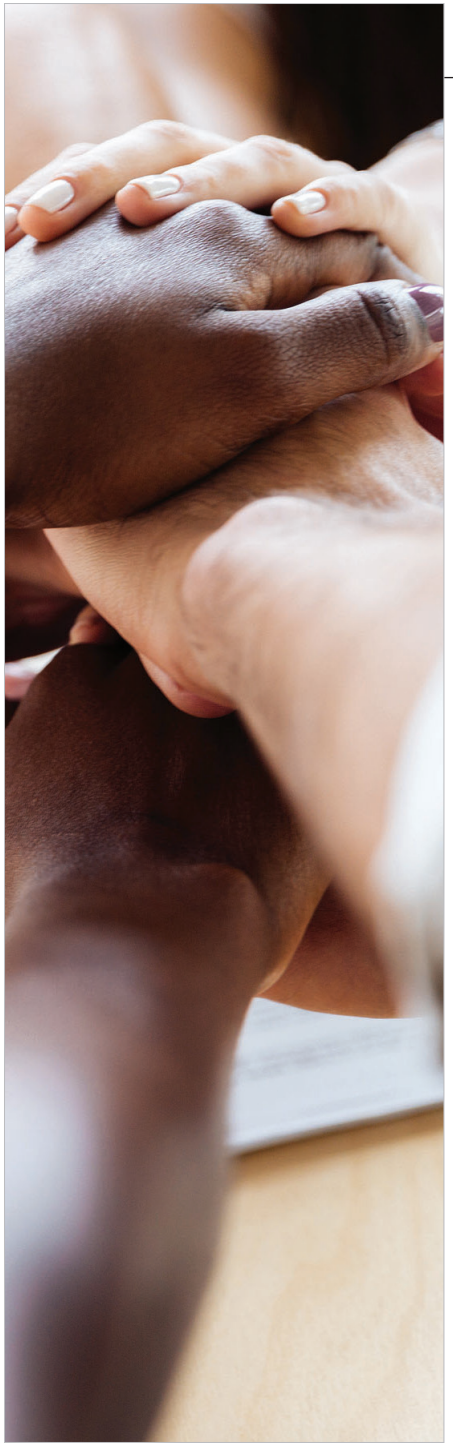
	C3	DW Mobile+	DW Witness	DW MOBILE	DW
Application:	**C3 CMS**	**DW Mobile Plus™ app**	**DW Witness app**	**DW Spectrum mobile app**	**DW Site Viewer for Apple TV**
Recorders:	**Windows and Mac**	**iOS and Android**	**iOS and Android**	**iOS and Android**	**Apple TV**
Servers with DW Spectrum IPVMS	---	---	O	O	O
VMAX IP Plus	O	O	O	---	O

Camera part numbering system

IP camera

Model	Technology	Housing type	Case	Resolution	WDR	IR	Lens	Specical Feature	H.265	Color
DWC- DW Camera	M-Megapixel P-Pano MP- IVA+	B: Bullet C: Box D: Indoor dome F: Ultra low-profile vandal dome PTZ: pan, tilt, zoom T: Turret V: Vandal dome VF: Fisheye	Internal use	2: 2.1MP/1080p 4: 4MP 5: 5MP 6: 6MP 8: 4K 9: 9MP 16: 16MP 21: 21MP 48: 48MP	W: True WDR D: Digital WDR	i	28: 2.8mm 4: 4mm 6: 6mm 8: 8mm A: Auto-focus V: Vari-focal	V: Value line LPR: LPR 650: Long Range A: Audio C1: CaaS 128GB C6: CaaS 60GB	T: Triple codec H.265/H.264/ MJPG	B: Black W: White
DWC-	MP	F	-	2	W	i	4	-	T	W
DWC-	M	V	8	4	W	i	A	-	-	-

Example 1: DWC-MF2Wi4T = Ultra low-profile vandal dome 4MP IP camera with IR and triple codec H.265/H.264/MJPG.
Example 2: DWC-MV84WiA = Vandal dome 4MP IP camera with WDR, IR and auto focus lens.



Support and resources ensure success

DW CHANNEL PARTNER PROGRAM™

Exceptional pricing and service for our best customers.

See program details for qualifications and inclusions.

The DW Channel Partner Program is dedicated to those who sell the complete line of Digital Watchdog surveillance solutions.

What's in it for me?

With your annual purchase commitment, you receive:

- ✓ Enhanced margins
- ✓ Project pricing / Map pricing
- ✓ Project design support
- ✓ Demo support and equipment pricing
- ✓ Pre- and post-sales support
- ✓ Sales lead allocation
- ✓ Extended warranties
- ✓ Advanced replacement & repair request
- ✓ DW University professional certification
- ✓ Product & technical training online (LMS)
- ✓ New product announcements
- ✓ Partner portal access
- ✓ Co-marketing materials
- ✓ Case Study support
- ✓ Enhanced technical support
- ✓ Registered project technical support
- ✓ Technical knowledgebase

portal.digital-watchdog.com

DW University™

Your online home for deep learning.

DW has developed DW University Online, a self-paced learning environment where you can earn product certification when it meets your schedule— anytime, on demand training.

Registration is free. An annual subscription gives you unlimited access to all courses.

DW Spectrum's training program has three learning components:

Video Modules:

Each module focuses on a significant subject, available for viewing or download.

DW Spectrum Training Lab:

Training lab scenarios reinforce the skills you have learned in each video module.

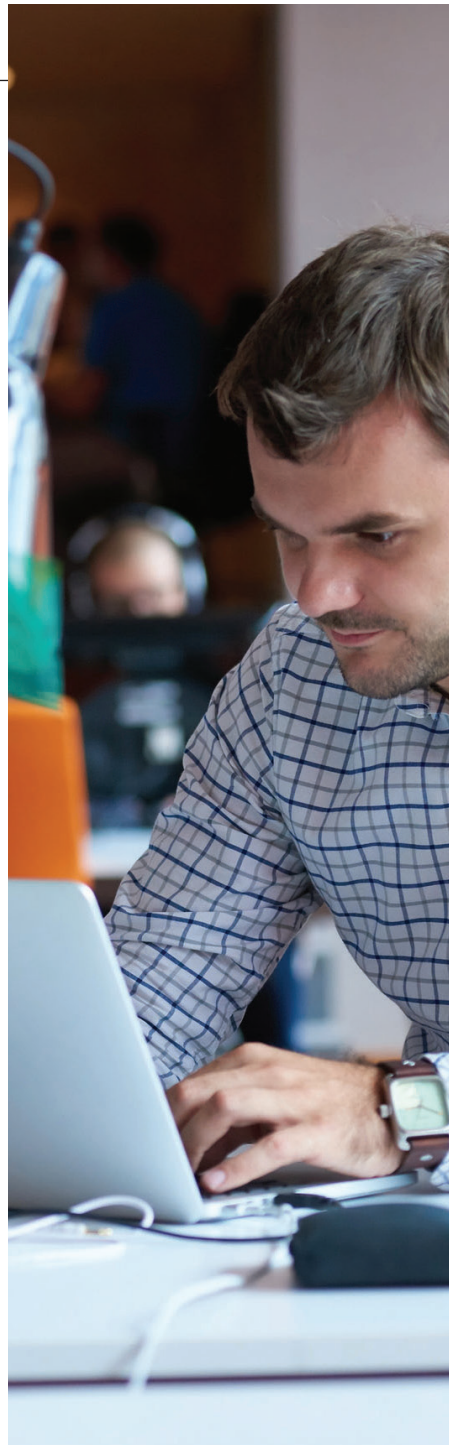
DW Spectrum Exam:

When you pass the final exam, you will be certified on DW Spectrum®.

Key features:

- ✓ Mobile-friendly
- ✓ Self-paced
- ✓ Collaborative tolls and activities
- ✓ Up to date and immediate
- ✓ Modern and easy to use
- ✓ Cost-effective
- ✓ Unlimited access
- ✓ Built-in quizzes and exams
- ✓ Certificate of completion provided
- ✓ Engaging user experience
- ✓ Notifications and messaging
- ✓ Track your progress online

https://dwuniversity.digital-watchdog.com



HD OVER COAX™ PRODUCT
QUICK REFERENCE GUIDE

REV. 03/22

DIGITAL WATCHDOG®

Complete HD over Coax™ Surveillance Solutions

myDW® cloud management services

C3® CMS Command . Control . Communicate

VMAX® digital video recorders

4K ULTRA HD

Star-Light™ HD over Coax™ cameras

Star-Light Plus™ color in near-total darkness technology

Star-Light Plus™ true 90° view ball cameras

NDAA COMPLIANT PRODUCTS

Built for Users.™

Universal HD over Coax® products

SOFTWARE

C3™ CMS Remote management software

C3 is a groundbreaking, easy to use remote management software for DW VMAX® embedded analog and IP recorders.

myDW®

Cloud Management Services that safely integrate DW's solutions onto a single platform for seamless real-time system management of all your sites.

DW mobile apps

DW mobile apps for iOS® and Android® allow you to view, playback and monitor your systems on a smartphone or tablet.

CAMERAS

Star-Light Plus™ Universal HD over Coax®

Star-Light™ Universal HD over Coax® cameras use coaxial cables to transmit crystal-clear images up to 4K and increase system ROI.

Universal HD over Coax® LPR

The Universal HD over Coax® 2.1MP/1080p LPR camera delivers reliable license plate capture from a range of 13-115 feet in moving vehicles up to 50mph.

Star-Light™ PTZ

The Star-Light™ HD-Analog 20x PTZ is a high performance, super speed camera with 20x optical zoom and auto-focus lens.

NETWORK APPLIANCES

Compressor™ encoders

Compressor signal encoders convert all analog signals into IP streams.

DW Spot™ monitoring module

Create instant public monitors from your surveillance system with DW Spot.

NightWatch™ illuminators

Advanced infrared, white light or hybrid illumination solutions for any application.

SiteWatch™ motion detectors

The perfect addition for any installation that requires advanced motion detection.

RECORDERS

VMAX® A1 Plus™

Universal HD over Coax® DVRs support HD-Analog and HD-TVI formats up to 5MP.

NDAA/TAA COMPLIANT PRODUCTS

DW products, sold and distributed worldwide, are designed and developed in the U.S.A. and Korea and manufactured in Korea.

Most DW® products are TAA / NDAA compliant. digital-watchdog.com/ndaa

Table of contents

C3 CMS remote management and event server software 4

myDW 6

VMAX A1 Plus Universal HD over Coax DVRs 8

Star-Light Plus color in near-total darkness Universal HD over Coax® cameras 10

Universal HD over Coax LPR camera 13

Universal HD over Coax PTZ camera 13

Star-Light Universal HD over Coax cameras 14

Camera accessories 16

SiteWatch motion detectors 18

NightWatch illuminators 18

Network appliances 20

Software and mobile apps 21

Camera part numbers table 21

DW channel partner program (CPP) 22

DW University online product certification 23

C3 CMS™

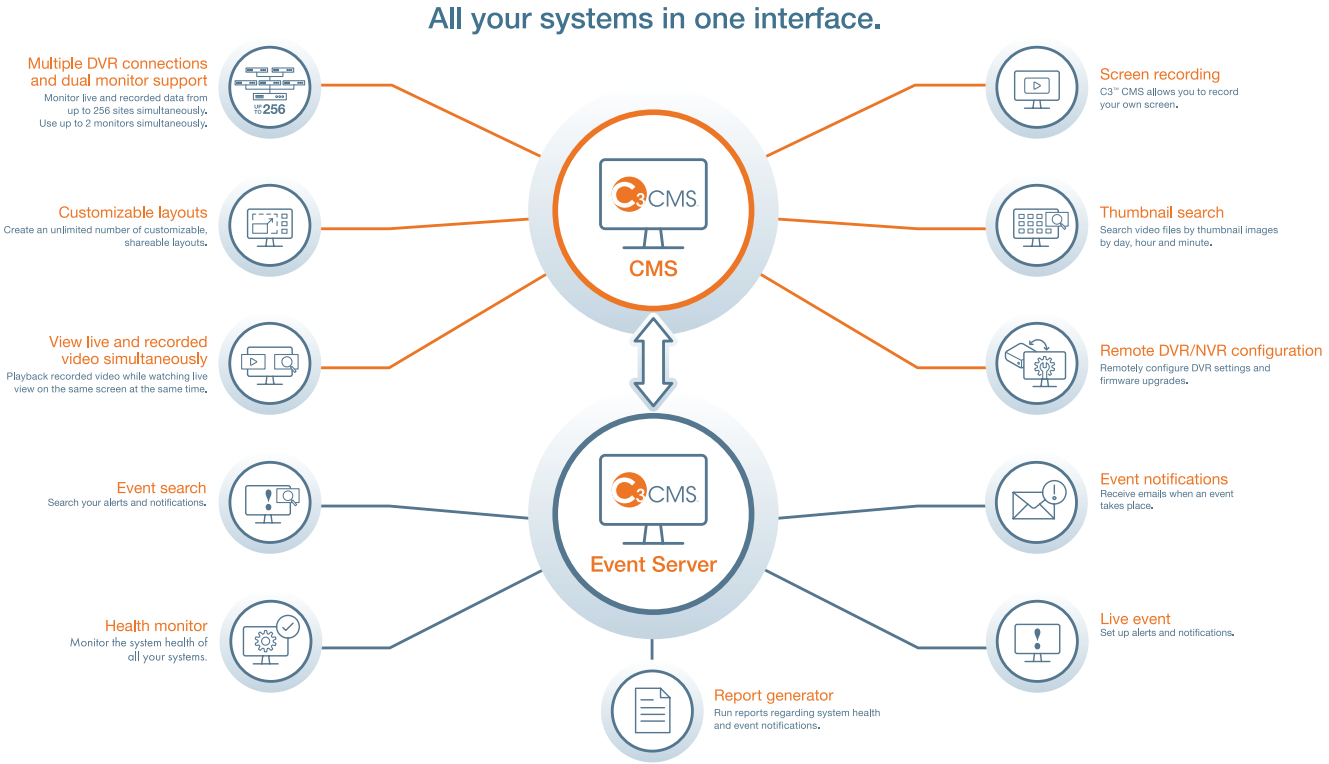
Command . Control . Communicate

All your systems in one interface.

The C3 is a remote management software suite for VMAX A1 Plus and VMAX IP Plus embedded analog/IP recording solutions and provides a powerful and easy-to-use way to monitor the device from anywhere. The software delivers simultaneous live views and playback of recorded video and supports hundreds of devices simultaneously. C3 CMS provides actionable information in real-time.

SUPPORTED OPERATING SYSTEM: Windows® MacOS

Manage and monitor your system from anywhere.



Built for Users.™

Remote management and event server software

Multiple DVR connections and dual monitor support.

Monitor live and recorded data from up to 256 sites simultaneously. Use up to 2 monitors simultaneously for an unparalleled 288 total cameras at the same time.

Customizable layouts.

The C3 CMS supports customizable layouts, from conventional gridline layouts, to user-friendly panoramic, corridor or 2x2 views.

Screen recording.

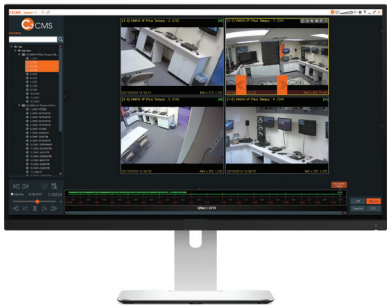
C3 CMS allows you to record your own screen.

Thumbnail search.

Find video fast by clicking on thumbnails by the date, hour and minute.

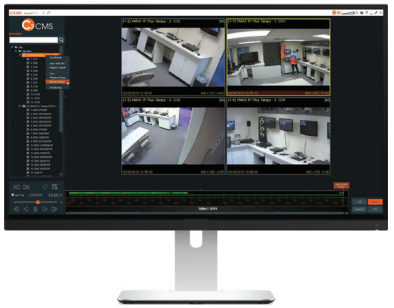
View live and recorded video simultaneously.

Playback recorded video while watching live view on the same screen at the same time.



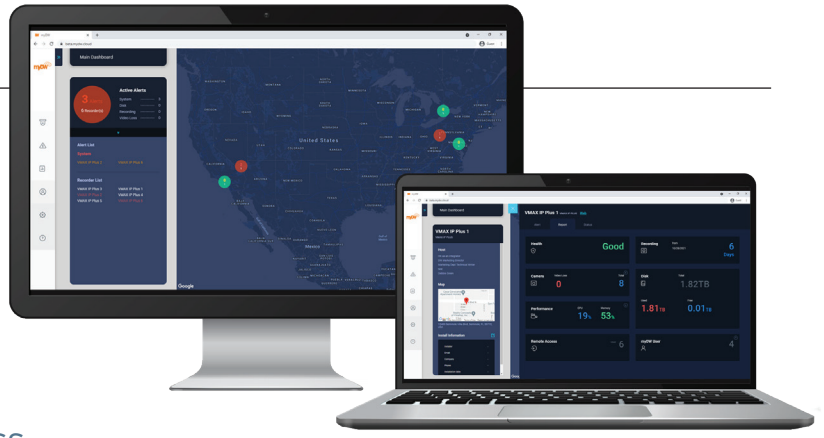
Remote DVR configuration.

Remotely configure DVR settings and firmware upgrades.



DW Systems Management

myDW® Cloud Management Services



Safely integrate DW's solutions onto a single platform for seamless real-time system management of all your customers' sites.

myDW® Cloud Management Services is a scalable and secure video monitoring solution that simplifies operations and management by moving these functions to the cloud. It gives integrators and dealers instant access to all their customers' surveillance systems online, on a smartphone and a tablet.

Increase recurring monthly revenue.

myDW gives integrators and dealers a powerful and secure cloud-based tool with potential for recurring monthly revenue.

Features:

Increase Recurring Monthly Revenue | Increase Client Retention | Multi-System Management | Web and Mobile App | System Status | Server Health

- Increase recurring monthly revenue
- Increase client retention
- Cross-platform architecture (use any web browser, apps for iOS and Android)
- Seamless scalability with multi-system management
- Verify critical functions with 24/7 enterprise system health management
- Administration management, storage retention and video quality settings
- System recording and camera status
- Advanced, fully user-customizable system reports
- PathFinder™ Peer-to-Peer (P2P) remote connection available (VMAX NVRs/DVRs)
- Invite and share your sites and reports with customers using a simple e-mail invite
- Customization with your own logo, turning the portal into an extension of your company
- Supported models:
  - o VMAX® A1 Plus™
  - o VMAX® IP Plus™

Built for Users.™

Video management anywhere, anytime.

Business Intelligence.

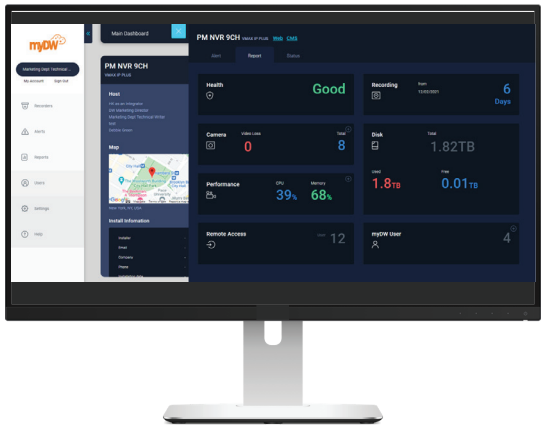
Gain insight and keep your customers safe and secure with real-time alerts and notifications.

Alerts

Receive email and push alert notifications for alarm and health events. Create, customize, and schedule myDW alerts with unique filters including duration, frequency, hours of operation or days of the week.

Reports

myDW Reports provide information about the health of your systems and help cut down on downtime and missing video.



Access Control

Third party access control solutions make it easy to setup after-hours alarm and motion notifications to get instant alerts with video clip.

Hardware Inventory Report

Quickly see details for your recorders and camera settings to identify potential anomalies or out-of-date software, saving time and money on security and policy compliance audits.

Health Monitoring.

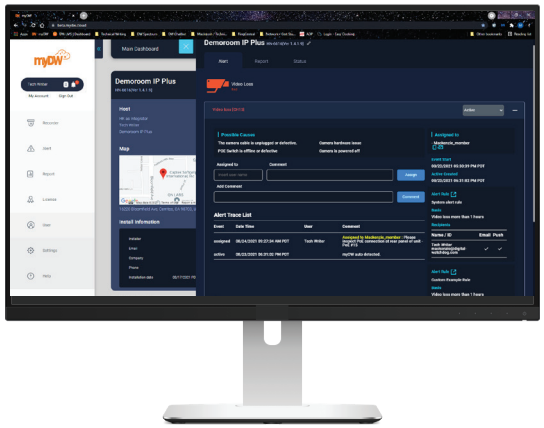
Ensure your systems are at peak performance with real-time and scheduled health monitoring functions.

24/7 Protection

myDW offers real-time alerts for critical issues or potential problems. Rest easy at night knowing that your system is working properly when needed to capture a critical video event.

Hard Drive Health

Monitor your hard drives health and set alerts to help prevent downtime with a preemptive system repair.



Storage Health

Set notifications for minimum storage levels for your recorders to ensure compliance with internal policy or government regulations

Video Quality

Environmental changes can impact the quality and performance of your video system over time. View daily images of your cameras to ensure video quality has not degraded or compromised.

Digital video recorders

Built for Users.™

VMAX® A1 Plus™

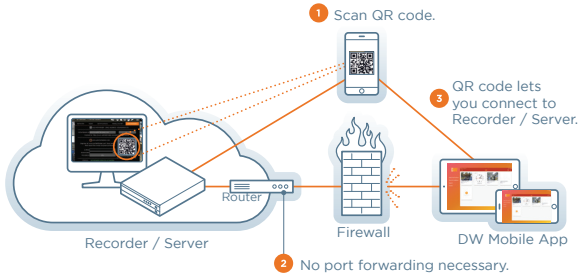
Universal HD over Coax® DVRs

VMAX A1 Plus DVRs support HD-Analog and HD-TVI signals up to 5MP, and analog up to 960H.

The DVRs offer a seamless upgrade to HD resolution for new ROI from existing coaxial infrastructure. The VMAX A1 Plus can record 1080p video at real-time 30fps. Up the Coax (UTC) remote configuration is available with all compatible cameras. The VMAX A1 Plus DVRs are available in 4-, 8- and 16-channel models with up to 20TB of storage.

PathFinder™ auto port-forwarding.

Easy and secure peer-to-peer (P2P) remote connection without opening ports.



C3 CMS.

C3 CMS takes video management to the next level. You are in complete command to control all your video surveillance systems in one intuitive interface. Easy-to-program alerts let you take action in real-time and manage the health of your devices.

HD over Coax™

16CH 480 fps
16 Channels
480 Total fps

PathFinder™

5MP
Up to 5MP Recording

4K
Ultra HD Output

5YEAR
Limited Warranty

Features:

- Universal HD over Coax DVR records HD-Analog and HD-TVI and all analog up to 960H signals
- Advanced H.264 Linux® embedded DVR
- 4-, 8- and 16-channels, real time 30fps recording up to 5MP
- Up to 5MP recording resolution
- PathFinder Peer-to-Peer (P2P) remote connection
- C3 CMS software up to 288 channels
- Event camera group recording
- Complete system analysis with real-time system and network status monitoring
- OSD and PTZ control via coax (UTC)
- DW Mobile Plus application for iOS and Android devices and Apple TV
- Signal hybrid detects any camera at HD-Analog, HD-TVI and 960H automatically
- Instant channel swap, no need to disconnect or reboot the DVR
- Snapshot Notify™: Programmable interval camera image verification sent to an email
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- 1TB - 32TB storage options
- HDD calculation and auto recording configuration
- Thumbnail search at hour and 5-minute previews
- 10 second jump buttons for playback and fast forward
- Event notifications via email and C3 CMS
- Multiplex - live, playback, recording, backup, network, configuration
- 4 audio input, 1 audio output
- 4 sensor input, 1 relay output
- Digital spot monitoring output at D1 resolution
- Simple and free DDNS service
- Easy web-based client with multi- user access
- Help menu on major functions
- Auto and manual firmware upgrades
- 5 year limited warranty

PART NUMBER		DW-VA1P16xT	DW-VA1P8xT	DW-VA1P4xT
Signals supported		Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP		
Input video		16 channels	8 channels	4 channels
Video live	Frame rate	1-30fps, max 480fps total	1-30fps, max 240fps total	1-30fps, max 120fps total
Video output		HDMI: up to 3840 2160 (4K), VGA: up to 1920x1080, Spot: D1		
Audio	Input	4 input	4 input	4 input
	Output	1 output	1 output	1 output
Alarm	Alarm input	4 inputs	4 inputs	4 inputs
	Alarm output	1 output	1 output	1 output
Operating system		Embedded Linux®		
Recording	Recording frame rate	960x480/576 (960H): 480fps	960x480/576 (960H): 240fps	960x480/576 (960H): 120fps
		1280x720 (HD): 480fps	1280x720 (HD): 240fps	1280x720 (HD): 120fps
		1920x1080 (HD): 480fps	1920x1080 (HD): 240fps	1920x1080 (HD): 120fps
		2560x1600 (4MP): 240fps	2560x1600 (4MP): 120fps	2560x1600 (4MP): 60fps
		2560x1944 (5MP): 160fps	2560x1944 (5MP): 80fps	2560x1944 (5MP): 40fps
	Recording resolutions	HD-analog and HD-TVI up to 5MP cameras and all analog resolutions up to 960H		
Storage	HDD interface	2x SATA HDD	1x SATA HDD	1x SATA HDD
	Max. internal storage	Up to 32TB	Up to 16TB	Up to 16TB
Access	Web viewer	Live, playback and configuration up to 10 multiple connections		
	Mobile client	Mobile app for Apple and Android smart phones and tablets		
	Client monitoring software	Mac® (Apple® S/W), C3™ (CMS S/W)		
Operating temperature		41°F ~ 104°F (5°C ~ 40°C)		
Electrical	Power requirement	DC12V		
	Power consumption	60W, 5A	39.6W, 3.3A	18W, 1.5A
Dimensions		15.15" x 12.4" x 1.88" (385 315 48 mm) (1U)	12.4" x 9.52" x 1.77" (315 242 45 mm) (1U)	12.4" x 9.52" x 1.77" (315 242 45 mm) (1U)

Universal HD over Coax

STAR-LIGHT PLUS™

Color in Darkness Universal HD over Coax® cameras

4K ULTRA HD

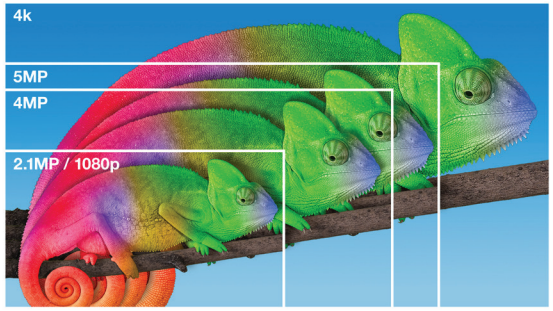
NDAA/TAA COMPLIANT PRODUCTS

Color in darkness images and support for HD-Analog, HD-TVI and HD-CVI signals.

All DW Universal HD over Coax cameras include color in darkness technology. They are engineered to work with our VMAX A1 Plus Universal HD over Coax DVRs, using your existing coaxial infrastructure for a cost effective, high resolution surveillance solution.

Megapixel resolution.

DW's technology delivers crystal-clear images in resolutions up to 5MP over coaxial infrastructure. Higher resolution delivers forensic details when zooming into the camera's field of view.



Star-Light Plus color in darkness technology.

Star-Light Plus color in near-total darkness technology provides crisp, clear color images in near-total darkness. The camera's sensor offers back-illuminated pixel technology featuring increased light sensitivity. The result is a high-quality color picture in the visible light and near infrared light.

Star-Light Plus™ monochrome images in near-total darkness.

Star-Light Plus™ delivers color image details in near-total darkness.

Features:

Universal HD / Analog · Star-Light Plus™ · Multiple Lens Options · WDR · UTC · Built-in Microphone · IP66/67 Rated · 5 YEAR Warranty

- Universal HD over Coax technology with HD-Analog, HD-TVI and HD-CVI signal support
- Star-Light Plus color in near-total darkness technology
- 4K @ 15 fps, 4MP/1440p @ 30 fps, 2.1MP/1080p @ 30 fps*
- 5MP at 20fps, 4MP at real-time 30fps*
- Built-in microphone*
- Fixed lens, vari-focal p-iris lens and motorized zoom with auto-focus lens options
- True wide dynamic range (WDR)
- OSD control via Coaxial (UTC)
- CleanView™ hydrophobic dome coating repels water, dust and grease*
- 70'-150' Smart IR™ with intelligent camera sync*
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter
- De-Fog extreme weather image compensation
- Auto sensing 24VAC/12VDC*
- Programmable privacy zones
- Easy icon driven OSD menu with built-in joystick
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Relay output*
- NDAA compliant
- IP66/67 environmental-rated dust-tight and water-resistant*
- IK9/IK10-rated impact-resistant*
- 5 year warranty

Built for Users.™

* See data sheets for specifications per camera.

4K cameras

NDAA COMPLIANT PRODUCTS

PART NUMBER		DWC-B6883WTIR	DWC-B6853WTIR	DWC-D3853WTIRW	DWC-D3863WTIRW	DWC-D4883WTIRW	DWC-V6863WTIRW	DWC-VA883WTIR	DWC-VA853WTIR
Image	Image sensor	4K 1/1.8" CMOS							
	Signal technology	Universal HD over Coax technology with HD-Analog, HD-TVI, HD-CVI to 4K and CVBS at 960H							
	Effective pixels	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)
	Minimum scene illumination	0.09 lux (color)	0.1 lux (color)	0.1 lux (color)	0.1 lux (color)	0.09 lux (color)	0.1 lux (color)	0.09 lux (color)	0.1 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
	Video output	4K @ 15 fps 4MP/1440p @ 30 fps, 2.1MP/1080p @ 30 fps							
Lens	Focal length	3.6 ~ 10mm	2.8mm	2.8mm	3.6 ~ 10mm	3.6 ~ 10mm	3.6 ~ 10mm	3.6 ~ 10mm	2.8mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Fixed lens	Vari-focal p-iris lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Vari-focal p-iris lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens
	IR distance	150ft range	100ft range	100ft range	100ft range	70ft range	100ft range	80ft range	70ft range
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction							
	Backlight compensation (BLC)	Yes							
	Wide dynamic range (WDR)	Double shutter WDR							
	Day and night	Auto, day (color), night (B/W)							
	Privacy zones	Yes							
	De-Fog™	Yes							
	RS485 / UTP built-in	UTC							
	Alarm output	---	---	---	---	---	---	---	---
	Housing	Bullet	Bullet	Indoor dome	Indoor dome	Snapit indoor dome	Vandal dome	Vandal ball	Vandal ball
Environmental	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)							
	CleanView™	---	---	---	---	---	Yes	---	---
	IP rating	IP66-rated	IP66-rated	---	---	---	IP66-rated	IP67-rated	IP67-rated
	IK rating	---	---	---	---	---	IK10-rated impact resistant		
	Other certifications	FCC, CE, ROHS, NDAA compliant							
Electrical	Power requirements	DC12V/AC24V dual voltage	DC12V	DC12V	DC12V/AC24V dual-voltage				DC12V
	Power consumption	DC12V (LED off): 5.49W, 457mA DC12V (LED on): 8.34W, 692mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.2W, 352mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.04W, 337mA	DC12V (LED off): 4.27W, 356mA DC12V (LED on): 6.98W, 582mA	DC12V (LED off): 5.76W, 480mA DC12V (LED on): 7.92W, 660mA	DC12V (LED off): 4.27W, 356mA DC12V (LED on): 6.98W, 582mA	DC12V (LED off): 5.517W, 460mA DC12V (LED on): 8.98W, 748mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.54W, 378mA
		AC24V (LED off): 4.95W, 346mA AC24V (LED on): 7.81W , 540mA			AC24V (LED off): 3.96W, 290mA AC24V (LED on): 6.38W, 440mA	AC24V (LED off): 6.49W, 429mA AC24V (LED on): 7.15W, 495mA	AC24V (LED off): 3.96W, 290mA AC24V (LED on): 6.38W, 440mA	AC24V (LED off): 5.06W, 358mA AC24V (LED on): 8.03W, 552mA	
	Dimensions	9.92" x 3.8"	8.83" x 3.8"	4.72" x 3.51"	4.72" x 3.51"	4.24" x 3.9"	5.7" x 4.26"	4.92" x 4.8"	4.92" x 4.05"

Universal HD over Coax

5MP cameras

NDAA COMPLIANT PRODUCTS

PART NUMBER		DWC-VA583WTIR	DWC-VA553WTIR	DWC-B6563WTIR	DWC-B6563WTIR650	DWC-B7553WTIR	DWC-V6563WTIR
Image	Image sensor	5MP 1/2.8" Star-Light Plus™ sensor					
	Signal technology	Universal HD over Coax technology with HD-Analog, HD-TVI and HD-CVI signal support					
	Effective pixels	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)
	Minimum scene illumination	0.08 lux (color)	0.16 lux (color)	0.08 lux (color)	0.1 lux (color)	0.16 lux (color)	0.08 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
	Video output	5MP (1944p): 20fps (HD-Analog and HD-TVI only) 4MP (1440p): 30fps					
Lens	Focal length	2.7 ~ 13.5mm	4.0mm	2.7 ~ 13.5mm	6.0 ~ 50mm	4.0mm	2.7 ~ 13.5mm
	Lens type	Varifocal p-iris lens with motorized zoom and auto-focus	Fixed	Vari-focal with p-iris lens	Vari-focal with p-iris lens	Fixed	Vari-focal with P-Iris lens
	IR distance	80ft range	70ft range	100ft range	150ft range	70ft range	100ft range
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction					
	Backlight compensation (BLC)	Yes	Yes	Yes	Yes	Yes	Yes
	Wide dynamic range (WDR)	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
	Day and night	True D/N	True D/N	True D/N	True D/N	True D/N	True D/N
	Privacy zones	Yes	Yes	Yes	Yes	Yes	Yes
	De-Fog™	---	---	---	---	---	---
	RS485 / UTP built-in / UTC	UTC	UTC	PELCO D / UTC / UTP built-in	PELCO D / UTC / UTP built-in	UTC	PELCO D / UTC / UTP built-in
	Alarm output	---	---	1 alarm output	1 alarm output	---	1 alarm output
	Housing	Vandal outdoor ball	Vandal outdoor ball	Outdoor vandal bullet	Outdoor vandal bullet	Outdoor vandal bullet	Vandal dome
Environmental	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)
	CleanView™	---	---	---	---	---	Yes
	IP rating	IP67-rated	IP67-rated	IP66-rated	IP66-rated	IP66-rated	IP66-rated
	IK rating	IK 10-rated impact-resistant		---	---	---	IK 10-rated impact-resistant
	Other certifications	FCC, CE, ROHS, NDAA compliant					
Electrical	Power requirements	DC12V/AC24V dual voltage	DC 12V	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V	DC12V/AC24V dual voltage
	Power consumption	DC12V (LED off): 4.36W, 363mA DC12V (LED on): 7.6W, 638mA	DC12V (LED off): 1.89W, 157mA DC12V (LED on): 4.26W, 355mA	DC12V (LED off): 3.3W, 275mA DC12V (LED On): 5W, 420mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 6.2W, 531mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 3.9W, 333mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA
		AC24V (LED off): 4.5W, 278mA AC24V (LED on): 6.27W, 456mA		AC24V (LED Off): 2.86W, 119mA AC24V (LED on): 4.4W, 183mA	AC24V (LED off): 2.86W, 220mA AC24V (LED on): 5.6W, 390mA		AC24V (LED off): 2.75W, 200mA AC24V (LED on): 5.3W , 360mA
	Dimensions	5.7" x 4.26"	5.7" x 4.26"	8.83" x 3.81"	9.92" x 3.8"	6.41" x 2.65"	5.7" x 4.26"

	5MP cameras					LPR camera	PTZ camera
			*				
DWC-D3563WTIR	DWC-D4583WTIR	DWC-MC553WTIR	DWC-V7553WTIR	DWC-V7553W	DWC-LPR650U	DWC-PTZ220XW
5MP 1/2.8" Star-Light Plus™ sensor					2.1MP/1080p 1/3" CMOS	2.1MP/1080p 1/2.8" Star-Light Plus™ CMOS
Universal HD over Coax® technology with HD-Analog, HD-TVI and HD-CVI signal support						HD-analog, HD-TVI and CVBS
2608 (H) x 1960 (V)					1937(H) x 1097(V)	1945(H)x1097(V)
0.08 lux (color)	0.08 lux (color)	0.16 lux (color)		0.13 (color)	---	0.35 lux (color)
0 lux (B/W)	0 lux (B/W)	0 lux (B/W)			0 lux (B/W)	0.013 lux (B/W)
5MP (1944p): 20fps (HD-Analog and HD-TVI only) 4MP (1440p): 30fps					2.1MP/1080p at 30fps	2.1MP/1080p at 30fps
2.7 ~ 13.5mm	2.7 ~ 13.5mm	4.0mm	4.0mm	2.8mm	6 ~ 50mm	4.7 ~ 94mm
Vari-focal with P-Iris lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Fixed lens	Fixed lens	Vari-focal p-iris lens	Vari-focal with remote auto-focus lens
100ft range	70ft range	50ft range	50ft range	---	115ft range	---
Smart DNR™ 3D digital noise reduction						
Yes	Yes	Yes			---	Yes
True WDR					---	True WDR
True D/N					B/W only	True D/N
Yes					16 privacy masks	16 privacy masks
---	---	---	---	---	Yes	Yes
PELCO D / UTC	PELCO D / UTC	UTC			Yes	UTC, RS485
1 alarm output	1 alarm output	---	---	---	1 alarm output	4 input/ 1 output
Indoor dome	SnapIt™ indoor dome	Micro dome	Ultra low-profile vandal dome		Outdoor vandal bullet	PTZ high speed dome
-4°F ~ 122°F (-20°C ~ 50°C)					-4°F ~ 122°F (-20°C ~ 50°C)	
---	---	---	---	---	---	---
---	---	IP66-rated				IP66-rated
---	---	IK 09-rated impact-resistant	IK 10-rated impact-resistant		---	IK 10-rated impact-resistant
CE, FCC, ROHS, NDAA compliant						CE, FCC, ROHS, NDAA & TAA compliant
DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V	DC12V	DC12V	DC12V/AC24V Dual Voltage	DC12V/AC24V Dual Voltage
DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA	DC12V (LED off): 4.62W, 385mA DC12V (LED on): 7.13W, 595mA	DC12V (LED off): 1.98W, 165mA DC12V (LED on): 2.62W, 218mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 2.69W, 224mA	DC12V: 2W, 176mA	DC12V: 6.12W, 510mA,	Auto focus working: max. 12W, 1A
AC24V (LED off): 2.75W, 200mA AC24V (LED on): 5.3W , 360mA	AC24V (LED off): 3.96W, 280mA AC24V (LED on): 6.5W , 410mA				AC24V: 5.7W, 475mA	
4.72" x 3.52"	4.24" x 3.9"	3.14" x 2.34"	4.13" x 2.38"	4.13" x 2.38"	9.4" x 3.81"	6.06" x 5.9"

* Chrome, black and white trim rings included. Color trim rings are sold separately.

Universal HD over Coax

Universal HD over Coax cameras

Snapit™ cameras

PART NUMBER		DWC-B6263WTIR	DWC-B6263WTIR650	DWC-C223W	DWC-B6263TIR	DWC-B7753TIR	DWC-D4283WD / DWC-V4283WD	DWC-D4283WTIR / DWC-V4283WTIR
Image	Image sensor	2.1MP/1080p 1/3" CMOS						
	Signal technology	HD-analog, HD-TVI, HD-CVI and CVBS						
	Effective pixels	1944(H) x 1092(V)			1920(H) x 1080(V)		1944(H) x 1092(V)	
	Minimum scene illumination	0.03 lux (color)	0.39 lux (color)	0.2 lux (color)	0.2 lux (color)	0.41 lux (color)	0.3 lux (color)	0.3 lux (color)
		0 lux (B/W)		---	0 lux (B/W)	0 lux (B/W)	---	0 lux (B/W)
	Video output	2.1MP/1080p at 30fps						
Lens	Focal length	2.8 ~ 12mm	6 ~ 50mm	---	2.8 ~ 12mm	3.6mm	2.8 ~ 12mm	2.8 ~ 12mm
	Lens type	Vari-focal p-iris lens		C/CS mount lens	Vari-focal p-iris lens	Fixed lens	Varifocal p-iris lens with motorized zoom and auto-focus	
	IR distance	100ft range	150ft range	---	100ft range	50ft range	---	100ft range
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Backlight compensation (BLC)	Yes						
	Wide dynamic range (WDR)	True WDR			D-WDR		True WDR	
	Day and night	True D/N		Electronic D/N	True D/N		Electronic D/N	True D/N
	Privacy zones	16 privacy masks			4 privacy masks		16 privacy masks	
	De-Fog	Yes			---		Yes	
	RS485 / UTP built-in / UTC	Yes			---		UTP built-in	
	Alarm output	1 Alarm Output			---		1 alarm output	
	Housing	Outdoor vandal bullet		Indoor box	Outdoor vandal bullet		SnapIt™ indoor and outdoor vandal domes	
Environmental	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)					-40°F ~ 122°F (-40°C ~ 50°C)	
	CleanView	---					Yes (DWC-V4283WD)	Yes (DWC-V4283WTIR)
	IP rating	IP66-rated		---	IP66-rated		IP68-rated (DWC-V4283WD)	IP68-rated (DWC-V4283WTIR)
	IK rating	---					IK 10-rated impact-resistant (DWC-V4283WD, DWC-V4283WTIR)	
	Other certifications	CE, FCC, ROHS, NDAA compliant						
Electrical	Power requirements	DC12V/AC24V dual voltage			DC12V		DC12V/AC24V dual voltage	
	Power consumption	DC12V (LED off): 3W DC12V (LED on): 4.4W	DC12V (LED off): 3W DC12V (LED on): 6W	DC12V: 2.45W	DC12V (LED off): 1.86W DC12V (LED on): 3.4W	DC12V (LED off): 1.86W DC12V (LED on): 3.0W	DC12V: 3.0W	DC12V (LED off): 3.0W DC12V (LED on): 5.2W
		AC24V (LED off): 2.7W AC24V (LED on) : 4.3W	AC24V (LED off): 2.7W AC24V (LED on): 5.5W	AC24V: 2.4W			AC24V: 2.3W	AC24V (LED off): 2.3W AC24V (LED on): 4.6W
	Dimensions	8.83" x 3.8"	9.92" x 3.8"	4.71" x 2.31" x 2.44"	8.83" x 3.8"	6.47" x 2.52"	4.24" x 3.9" (DWC-D4283WD) 5.47" x 4.79" (DWC-V4283WD)	4.24" x 3.9" (DWC-D4283WTIR) 5.47" x 4.79" (DWC-V4283WTIR)

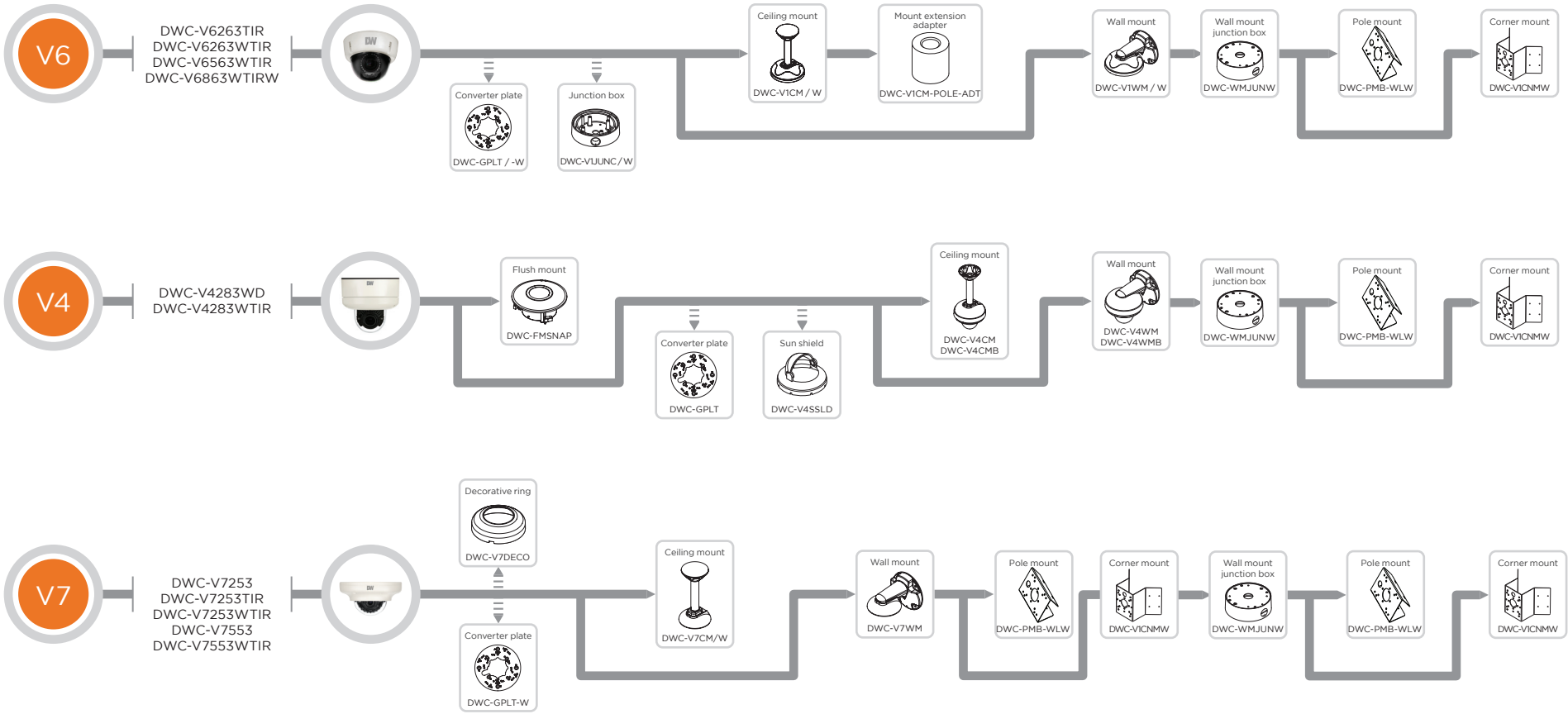
Universal HD over Coax cameras

DWC-D3263WTIR	DWC-V6263WTIR	DWC-MC253WTIR	DWC-MC253WT-28	DWC-V7253WTIR	DWC-D3263TIR	DWC-V6263TIR	DWC-V7253 / DWC-V7253TIR
2.1MP/1080p 1/3" CMOS							
HD-analog, HD-TVI, HD-CVI and CVBS							
1944(H) x 1092(V)					1920(H) x 1080(V)		
0.03 lux (color)	0.03 lux (color)	0.06 lux (color)	0.06 lux (color)	0.06 lux (color)	0.2 lux (color)	0.2 lux (color)	0.2 lux (color)
0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	---	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W) (DWC-V7253TIR)
2.1MP/1080p at 30fps							
2.8 ~ 12mm	2.8 ~ 12mm	3.6mm	2.8mm	3.6mm	2.8 ~ 12mm	2.8 ~ 12mm	3.6mm
Varifocal p-iris lens	Varifocal p-iris lens	Fixed lens			Varifocal p-iris lens	Varifocal p-iris lens	Fixed lens
100ft range	100ft range	50ft range	---	50ft range	100ft range	100ft range	50ft range (DWC-V7253TIR)
Smart DNR™ 3D digital noise reduction							
Yes							
True WDR							
True D/N					D-WDR		
16 privacy masks					4 privacy masks		
Yes	Yes	Yes			---		
UTP built-in	UTP built-in	---			---		
1 alarm output	1 alarm output	---			---		
Indoor dome	Outdoor vandal dome	Micro dome	Micro dome	Ultra low-profile outdoor vandal dome	Indoor dome	Outdoor vandal dome	Ultra low-profile outdoor vandal dome
-4°F ~ 122°F (-20°C ~ 50°C)							
---	Yes	---	---	---	---	Yes	---
---	IP66-rated				---	IP66-rated	
---	IK 10-rated impact-resistant				---	IK 10-rated impact-resistant	
FCC, CE, ROHS, NDAA compliant							
DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V					
DC12V (LED off): 2.94W DC12V (LED on): 5.22W AC24V (LED off): 2.5W AC24V (LED on): 4.35W	DC12V (LED off): 2.94W DC12V (LED on): 5.22W AC24V (LED off): 2.5W AC24V (LED on): 4.35W	DC12V (LED off) : 1.7W DC12V (LED on) : 2.9W	DC12V (LED off): 1.7W	DC12V(LED OFF): 1.7W DC12V(LED ON): 2.9W	DC12V (LED off) : 186W DC12V (LED on) : 3.6W	DC12V (LED off) : 186W DC12V (LED on) : 3.6W	DC12V (LED off) : 1.92W DC12V (LED on) : 3.12W (DWC-V7253TIR)
4.72" x 3.52"	5.7" x 4.26"	3.15" x 2.34"	3.15" x 2.34"	4.13" x 2.39"	4.72" x 3.52"	5.7" x 4.26"	4.13" x 2.39"

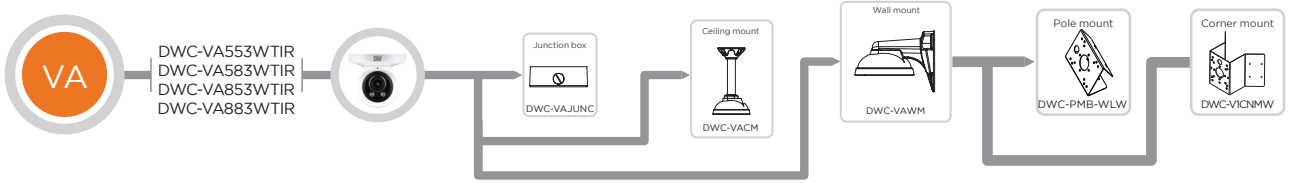
* Chrome, black and white trim rings included. Color trim rings are sold separately.

Camera accessories

Outdoor dome cameras

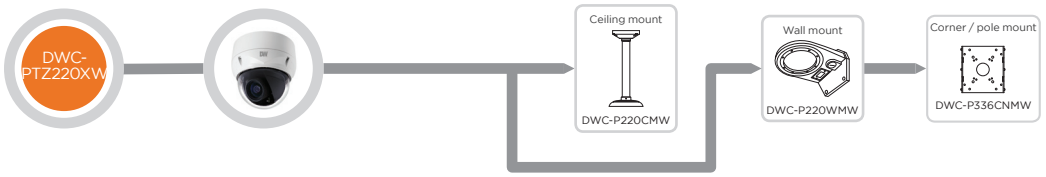


Vandal ball cameras

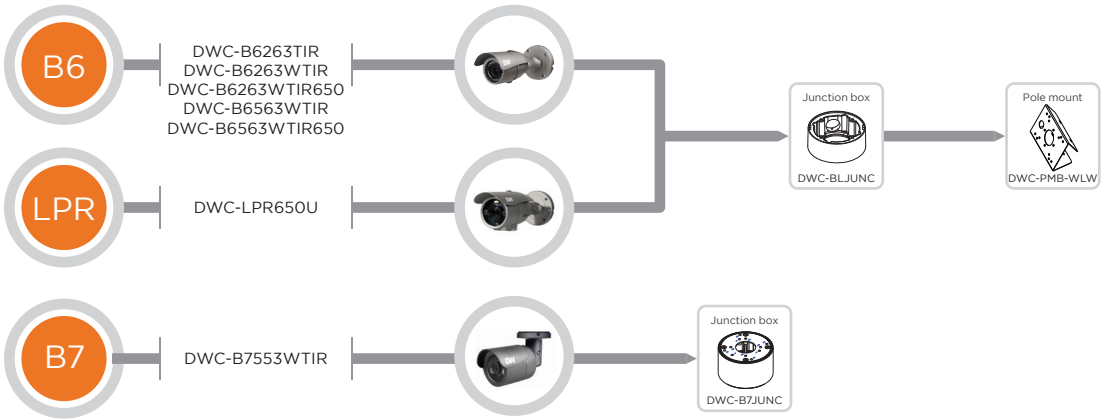


Camera accessories

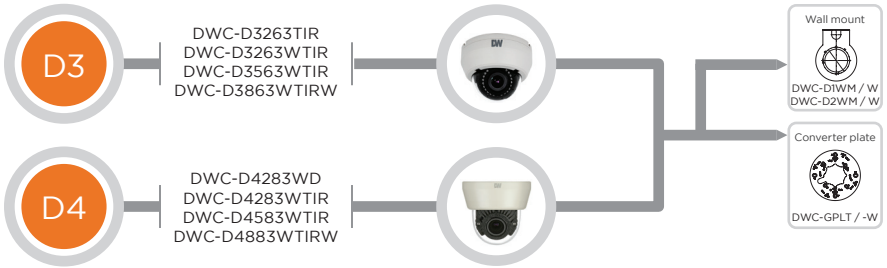
Pan, Tilt, Zoom dome cameras



Bullet cameras



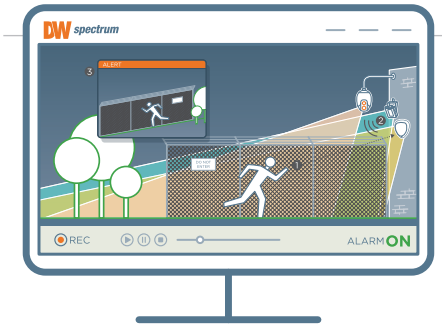
Indoor dome cameras



SiteWatch™ Detectors by Digital Watchdog® NightWatch™ Illuminators by Digital Watchdog®

Complement your surveillance system with motion detectors and illuminators.

SiteWatch motion detectors and NightWatch illuminators upgrade any system needing external lighting or motion detection. All detectors and illuminators are fully integrated with DW Spectrum IPVMS and can be managed remotely.



Manage with DW Spectrum IPVMS.

As the detectors sense motion illuminators and cameras turn on and activate recording and notifications.

DW spectrum® IPVMS
Complete Scalable Video Management

NightWatch Features*:

- IR, white light and hybrid LED illuminators
- Interchangeable lens pack to deliver a variety of angles out of the box
- Direct integration with DW Spectrum IPVMS
- Create different elliptical beam profiles
- Motion activated
- Coverage distance up to 374’ (115m)/614’ (187m)*
- CleanView hydrophobic coating repels water, dust and grease*
- Configure lights to switch on when motion is detected
- Activate white-light to deter intruders*
- Remotely adjustable photocell and illumination levels
- 850nm/940nm wavelength*
- Ultra-white FFI 6000K white-light*
- Visible spectrum wavelength (400- 750nm)*
- Vibration/shock sensor*
- Web Interface built-in
- High-power Dual-Core LED’s with advanced, current limited and integral control circuitry
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 09-rated impact-resistant

SiteWatch Features*:

- External movement detector
- Quad element passive infra-red (PIR) sensor
- PIR and microwave detection technologies
- Two (2) volt-free outputs and two (2) negative-switched outputs
- Up to 98.5ft (30m) / 1640ft (500m) detection*
- Exceptional resistance to false alarms
- Advanced signal processing, quad pyro and optical systems
- Trigger lights and smart devices when movement is detected
- 10° - 70° detection angle*
- Direct integration with DW Spectrum IPVMS
- Intruder notifications
- Set up lux-level events to operate blinds and curtains
- Environmental temperature monitoring to help manage internal air conditioning and heating
- 20 Fully adaptable alarm zones to meet any situation*
- IP alarms and relay output (DW-DTLA500)
- Alarm notifications (DW-DTLA500)
- Web Interface built-in
- PoE class 1 and 2 and DV48V
- NDAA/TAA compliant
- IP environmental-rated housing

Built for Users.™

NightWatch Accessories:

DW-ILWM1
Mounting bracket for a single (1) illuminator

DW-ILWM2
Mounting bracket for two (2) illuminators

DW-ILWM3
Mounting bracket for three (3) illuminators

DW-ILPM1
Pole mount bracket for a single (1) illuminator

* Not all products carry same features. See product data sheets for all specifications

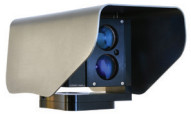
Illuminators and motion detectors

Illuminators

NDAA/TAA COMPLIANT PRODUCTS

SPECIFICATIONS	DW-ILHYBIP850 / DW-ILHYBIP940	DW-ILIRIP850 / DW-ILIRIP940	DW-ILWLIPM
Construction	Robust high-quality aluminum extrusion, black anodized finish		
Photocell	Software adjustable 20 – 70 lux		
Illumination	Software adjustable 10% - 100% with pulse modes		
Operating temperature	-58° to 140°F (-50° to 60°C)	-58°F to 122°F (-50°C to 50°C)	
Mount	Powder coated stainless steel wall mount		
Input	PoE+ (IEEE802.3at)		
Consumption	26W		
IP rating	IP66 environmental-rated dust-tight and water-resistant		
IK rating	IK09 impact-resistant in accordance with IEC/EN 62262	---	---
Electronics	High-efficiency surface mount high power Dual-Core™ LEDs with advanced, current limited, integral control circuity		
Lumen output	1800 lm	---	2400lm
Color temperature	Ultra white ffi 6000K	---	5700K (6000K and 6500K options available to order)
Color rendering index	>70	---	Typ. 80
Recommended PSU	Any IEEE 802.3at injector (not included)		
Remote access	Web browser user interface. Full control via DW Spectrum IPVMS		
Wavelength	850nm (DW-ILHYBIP850) 940nm (DW-ILHYBIP850)	850nm (DW-ILHYBIP850) 940nm (DW-ILHYBIP850)	400- 750nm
Coverage distance	614' (187m) (DW-ILHYBIP850) 374' (115m) (DW-ILHYBIP850)	614' (187m) (DW-ILHYBIP850) 374' (115m) (DW-ILHYBIP850)	374' (115m)
Shock sensor and pressure equalization vent	Prevents thermal expansion and pressure cycling	---	---
Warranty	2 year warranty		

Laser sensor



NDAA/TAA COMPLIANT PRODUCTS

SPECIFICATIONS	DW-DTLA500
Field of application	Outdoor surveillance and monitoring
Alarm zones	Up to 20 fully adaptable zones, each zone has individual alarm sensitivity settings and alarm actions.
Alarm actions	Network alarm, relay. Easy direct integration with IP to VMS, enabling PTZ control, automatic video recording and object position.
Self awareness	Adaptive digital processing algorithm suppresses noise from fog and snow, and detects challenging weather to allow alarms to VMS.
Detection range	0 - 1640ft (500m)
Detection resolution	+/- 1 dm
Update rate	250 Hz
Laser wavelength	905nm
Beam divergence	2.0 x 2.0 mRad
Alignment laser	Yes
Laser class	Class 2 laser product, eye-safe
Power supply	Power over Ethernet (48V DC) or 12 V DC
Power consumption	4W (PoE class 2)
Operating temperature	-22°F to +140°F (-30°C to +60°C)
Interface	Ethernet IEEE 802. 3af, TCP/IP, web browser used interface
Relay switch	Max 30V 200mA, NC and NO
Mounting	4 x M5 - Bosch compatible 2.87" x 1.61" (73 x 41mm) 4 x M5 - Axis compatible 1.57" x 2.44" (40 x 62mm) 2 x M6 - common standard 2.87" (73mm C-C) 5/8"-11 UNC (tripod mount)
Enclosure rating	IP66
Color	Shell: gray, sensor: black
Weight	2.4Kg
Warranty	1 year warranty

Motion detectors

NDAA/TAA COMPLIANT PRODUCTS

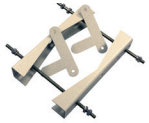
SPECIFICATIONS	DW-DTMWIPW	DW-DTPWIPW
Detection range	Up to 98.5ft (30m) programmable	
Coverage	10° - 70° detection angle, 98.5ft x 98.5ft (30m x 30m) max.	
Sensing module	Dual-tech: Microwave + quad PIR	Quad PIR
Walk test	Output test mode with LED indication	
Operating temperature	-4°F to 131°F (-20°C to +55°C) conformally coated electronics for increased stability	
Adjustment	180° pan + 90° tilt	
Mounting height	Optimum 9.8ft (3m)	
Indicator LEDs	1 x blue LED on alarm	1 x blue LED on alarm 1 x red PIR detection 1 x green microwave detection
Outputs	Two N/C volt free relay contacts. Web interface set up required.	
Power input	Power over Ethernet (48V DC)	
Power consumption	Max 3.8W, PoE class 1	
Ethernet standard	Ethernet IEEE 802.3af, TCP/IP	
Remote access	Web browser user interface. No software or installation needed	
Microwave frequency	10.525GHz	---
Warranty	2 year warranty	

SiteWatch Accessories:

DW-DTWMDTLA5
Mounting bracket

DW-DTWT
Walk tester

DW-DTCAW
Conduit adaptor



DW-DTPM
Pole mount bracket

Network appliances

Compressor™ Analog to IP Video Encoder

The easiest transition from analog to IP.

SPECIFICATIONS	DW-ENHD16
Video input	16 HD over Coax technology with HD-Analog, HD-TVI and CVBS analog signal up to 2.1MP/1080p
Video output	16 IP channels
Local display	True HD/VGA: 1/4/9/16 Split, PIP, Sequence Spot: 1/16 Split, Sequence
Resolution	Main stream: 240fps @ 2.1MP/1080p Sub Stream: 240fps @ VGA
Video encoding	H.264
AUDIO	
Input	4 audio input
Output	1 RCA audio output, 1 HD audio output
INTERFACE	
Alarm input	4 inputs
Alarm output	1 output
RS-232	---
RS-485	2x RS485, 3x USB, UTC PTZ control via Coax (HD-Analog, HD-TVI)
GENERAL	
ONVIF Conformant	Yes, profile S
Power require-ments	DC12V (2A)
Power consumption	Max. 14.4W
Dimensions	14.76" x 1.76" x 12.52"
Rack-mountable	DW-EN19RE (included)

DW spot™ MONITORING MODULE

Place a public view monitor anywhere.

NDAA/TAA COMPLIANT PRODUCTS

SPECIFICATIONS		DW-HDSPOTMOD	DW-HDSPOTMOD16
Operating system		Embedded Linux	
IP camera	Input	4 channels	16 channels
Display	Speed	Up to 120fps	Up to 480fps
	Screen mode	Single channel, quad view mode, sequence	Single channel, 16-Ch view mode, sequence
Video-in		IP cameras (up to 4K, 3840 x 2160 resolution), Universal HD over Coax® VMAX® A1™ DVRs or VMAX® IP Plus™ NVRs	
Video-out	Monitor	True HD and/or VGA	
	Resolution	True HD: 3840x2160, 1920x1080, 1280x720, 1024x768 VGA: 1920x1080, 1280x720, 1024x768	
Network function		Time synchronization by NTP server	
System recovery after power failure		Auto-reboot and log file system	
Advanced functions		Firmware upgrade by USB and CMS	
		Import and export settings	
		Digital zoom	
System operation		USB mouse	
ENVIRONMENTAL			
Power		DC12V, 1A	
Operating temperature		41°F ~ 104°F (5°C ~ 40°C)	
Dimensions		5.47" x 4.84" x 1.25"	

Built for Users.™

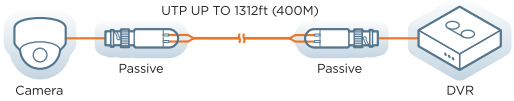
DW HD VIDEO BALUN™

Use for any CAT5E application. Use a single pair of cables to pass through all HD-Analog, HD-TVI and HD-CVI signals up to 4K and CVBS signals up to 960H passively up to 1312ft in full color.

DW-HDBALUN5

Connection Options

PASSIVE UTP VIDEO TRANSMISSION



SPECIFICATIONS	
Transmission signal	1 channel
Transmission distance	• HD-CVI 720p: 1312ft (400M) • HD-CVI 2.1MP/1080p: 820ft (250M) • HD-CVI 4MP/4K: 656ft (200M) • HD-TVI 720p: 820ft (250M) • HD-TVI 2.1MP/1080p: 820ft (250M) • HD-TVI 5MP/4K: 590ft (180M) • HD-Analog 720p: 1148ft (350M) • HD-Analog 2.1MP/1080p: 656ft (200M) • HD-Analog 5MP/4K: 590ft (180M)
Category type	UTP CAT5 / 5E / 6
VIDEO TRANSMISSION PROPERTIES AND PORT	
Coaxial video connector	BNC-M
ENVIRONMENTAL	
Operating temperature	14 ~ 131° F (-10 ~ 55° C)
Operating humidity	0-95% (non-condensing)
MECHANICAL	
Dimensions (L*W*H)	2.16" x 0.63" x 0.75"
Weight	22.6g

Software and Apps to manage your system remotely

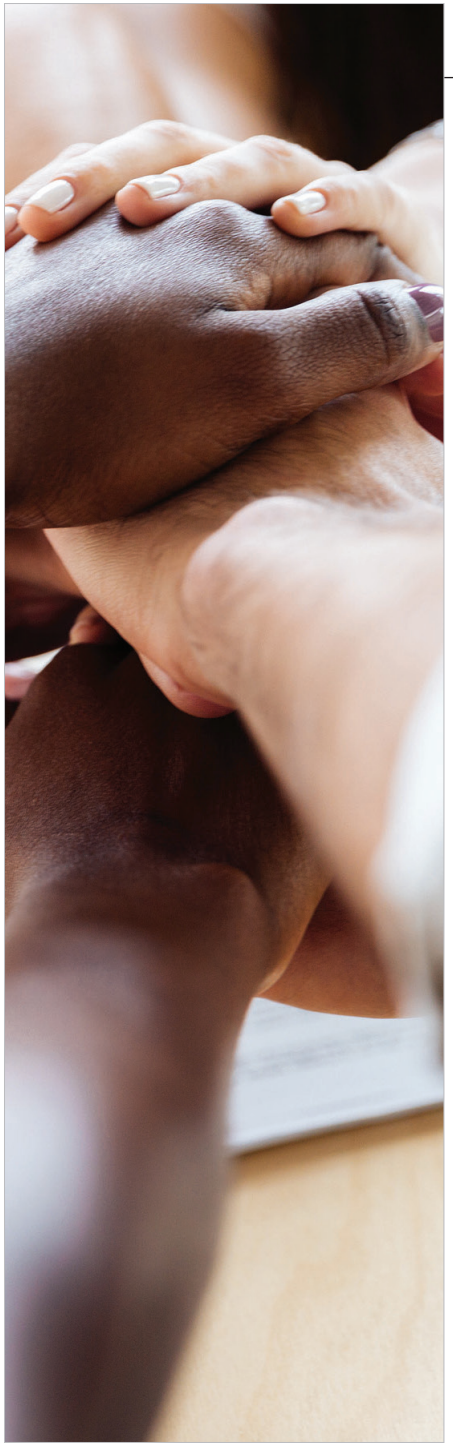
Software:	**C3 CMS and Event Server**	**DW Mobile Plus™ app**	**DW Site Viewer™ for Apple TV**
Recorders:	**Windows and Mac**	**iOS and Android**	**Apple TV**
VMAX® A1 Plus™	O	O	O

Camera part numbering system

Analog Camera

Model	Type	Case	Technology	Lens	Sensor	WDR	TDN	IR	Color
DWC-: DW Camera	D: Indoor dome V: Vandal dome B: Bullet T: Turret C: Box MC: Micro PB: Pano bullet VA: vandal ball	Internal use	2: UHDoC 2MP 3: High resolution 4: UHDoC 4MP 5: 960H / UHDoC 5MP 7: AHD 8: UHDoC 8MP	5: Fixed 6: Vari-focal 8: Auto-focus	1: CMOS 2: CCD 3: Star-Light™	W: True WDR D: Digital WDR	T: True D/N D: Electric D/N	IR	W: White
DWC-	V	4	7	8	3	W	T	IR	

Example 1: DWC-V4783WTIR = Vandal dome HD-Analog camera with auto-focus lens, Star-Light sensor, WDR, True D/N and IR.



Support and resources ensure success

DW CHANNEL PARTNER PROGRAM™

See program details for qualifications and inclusions.

Exceptional pricing and service for our best customers.

The DW Channel Partner Program is dedicated to those who sell the complete line of Digital Watchdog surveillance solutions.

What's in it for me?

With your annual purchase commitment, you receive:

- ✓ Enhanced margins
- ✓ Project pricing / Map pricing
- ✓ Project design support
- ✓ Demo support and equipment pricing
- ✓ Pre- and post-sales support
- ✓ Sales lead allocation
- ✓ Extended warranties
- ✓ Advanced replacement & repair request
- ✓ DW University professional certification
- ✓ Product & technical training online (LMS)
- ✓ New product announcements
- ✓ Partner portal access
- ✓ Co-marketing materials
- ✓ Case Study support
- ✓ Enhanced technical support
- ✓ Registered project technical support
- ✓ Technical knowledgebase

portal.digital-watchdog.com

DW University™

Your online home for deep learning.

DW has developed DW University Online, a self-paced learning environment where you can earn product certification when it meets your schedule— anytime, on demand training.

Registration is free. An annual subscription gives you unlimited access to all courses.

DW Spectrum's training program has three learning components:

Video Modules:

Each module focuses on a significant subject, available for viewing or download.

DW Spectrum Training Lab:

Training lab scenarios reinforce the skills you have learned in each video module.

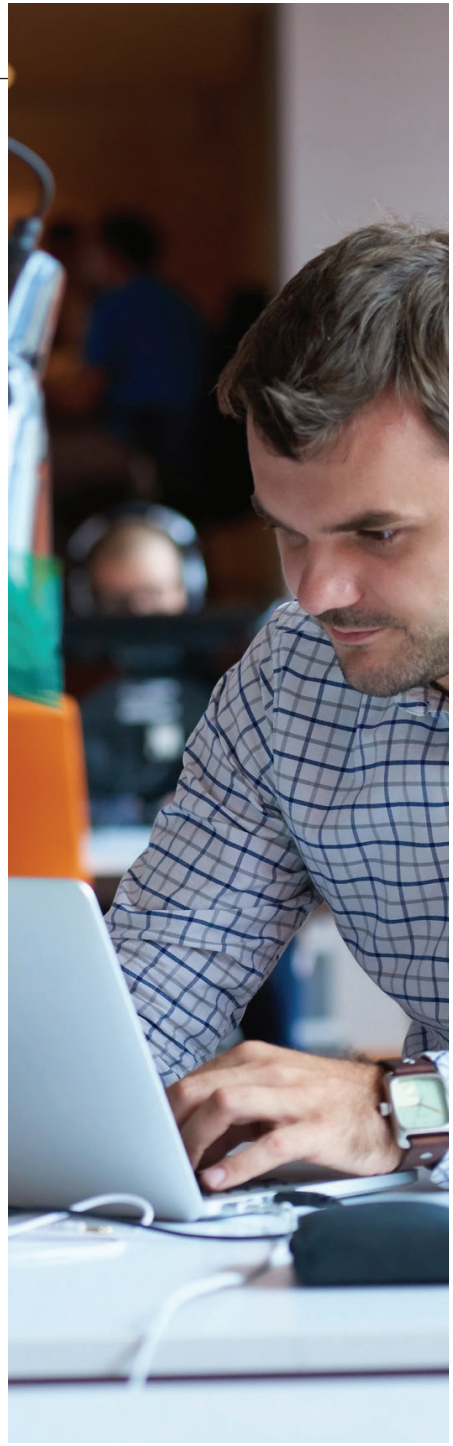
DW Spectrum Exam:

When you pass the final exam, you will be certified on DW Spectrum®.

Key features:

- ✓ Mobile-friendly
- ✓ Self-paced
- ✓ Collaborative tolls and activities
- ✓ Up to date and immediate
- ✓ Modern and easy to use
- ✓ Cost-effective
- ✓ Unlimited access
- ✓ Built-in quizzes and exams
- ✓ Certificate of completion provided
- ✓ Engaging user experience
- ✓ Notifications and messaging
- ✓ Track your progress online

https://dwuniversity.digital-watchdog.com



Notes

Notes