Complete IP Surveillance Solutions

Ai analytics for IP cameras and Blackjack® servers

DW Spectrum® IPVMS

Blackjack® servers

VMAX® IP Plus™ NVRs driven by C3 CMS

SiteWatch™ perimeter protection appliances

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

Built for Users.™

DW®
DIGITAL WATCHDOG

NDAA/TAA
COMPLIANT PRODUCT

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.

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.

CAMERAS

MEGApix® Ai™ IP cameras

Ai deep learning with object detection and tracking.

MEGApix IP cameras

MEGApix 4K, 8MP, 5MP, 4MP and 2.1MP/1080p IP cameras at real-time 30fps with powerful Intelligent Video Analytics (IVA).

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.

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 G4™ NVRs

NDAA-compliant, full-featured easy to use standalone PoE NVRs.

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.

SiteWatch™ perimeter protection

Advanced infrared, white light or hybrid illumination solutions for any application, laser and motion detectors and IP horn speaker upgrade any surveillance solution to the next level.

NDAA/TAA COMPLIANT PRODUCT

DW products, sold and distributed worldwide, are designed and developed in the U.S.A. and Korea and manufactured in Korea and Vietnam.
Most DW® products are TAA / NDAA compliant. digital-watchdog.com/ndaa

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Table of contents

DWspectrum®
IPVMS
Complete Scalable Video Management

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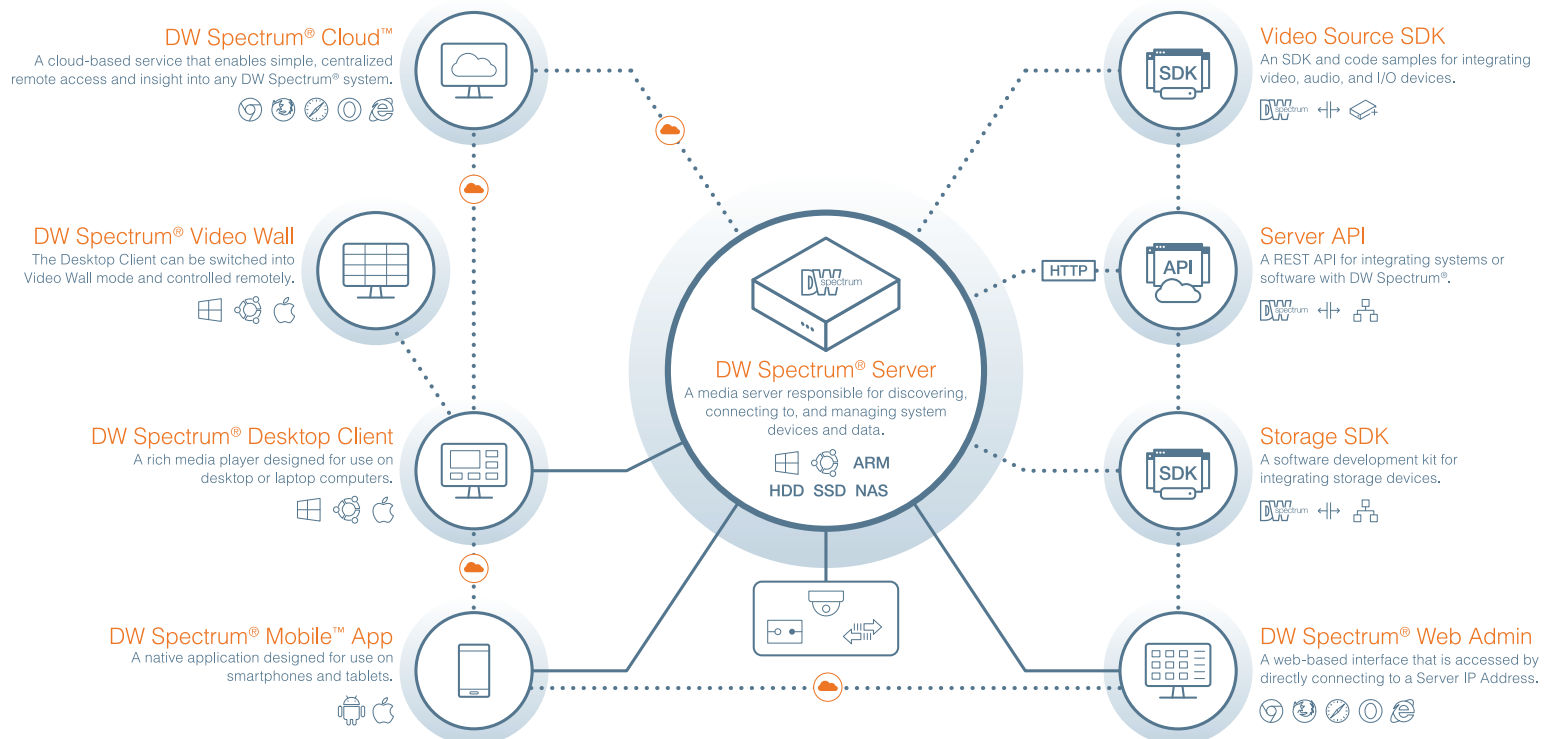- Open for developers. **Integrate anything.**

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.

DW Spectrum® Cloud™
A cloud-based service that enables simple, centralized remote access and insight into any DW Spectrum® system.

Video Source SDK
An SDK and code samples for integrating video, audio, and I/O devices.

DW Spectrum® Video Wall
The Desktop Client can be switched into Video Wall mode and controlled remotely.

Server API
A REST API for integrating systems or software with DW Spectrum®.

HTTP

DW Spectrum® Server
A media server responsible for discovering, connecting to, and managing system devices and data.

ARM
HDD SSD NAS

DW Spectrum® Desktop Client
A rich media player designed for use on desktop or laptop computers.

Storage SDK
A software development kit for integrating storage devices.

DW Spectrum® Mobile™ App
A native application designed for use on smartphones and tablets.

DW Spectrum® Web Admin
A web-based interface that is accessed by directly connecting to a Server IP Address.

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.

Easy System Setup

Easy Recording

Easy Configuration

Easy Monitoring

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.

All-in-One NVR and Analytic Server

Built for Users.™

Blackjack® Ai™

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 unlock 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.

All in One Device

Achieve lower deployment cost with a single device that performs as an NVR and an Analytics server for all connected video streams.

Ai™ Server   DW Spectrum® IPVMS   Blackjack® Ai™

Server-Side Analytics for Non-Analytic Cameras

Bring classified object detection to your existing non-analytic cameras.
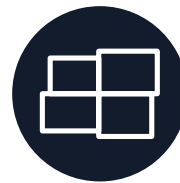
Deep Learning Object Detection

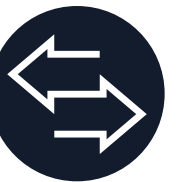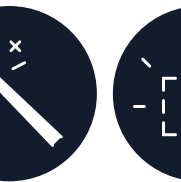| Logical Rules | Counting Lines | Enter | Detection Zones | Stopped | Intrusion | Tailgating |

| Exit | Direction | Counting | Metadata | Line Crossing | Appear | Disappear | Tamper |
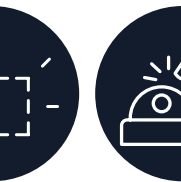
Servers and workstations

		Rackmount servers			Tower servers	
NDAA/TAA COMPLIANT PRODUCT	**PART NUMBER**	Blackjack Ai Rack™ with 32GB memory	Blackjack Ai Rack™ with 64GB memory	Blackjack Ai P-Rack™ 2U w/RAID	Blackjack Ai Tower™ full-size	Blackjack Tower™ mid-size
Included DW Spectrum IP licenses		8 (2x DW-SPECTRUMLSC004)			4 (DW-SPECTRUMLSC004)	
Included IVA Ai Licenses		8 (2x DW-IVAAiSLSC004)			4 (DW-IVAAiSLSC004)	
Form factor		2U Rackmount		2U Rackmount	Full-size Tower	Mid-size Tower
Operating system	Windows 10 64 Bit	DW-BJAIRxxT	DW-BJAI2RxxT	DW-BJAiPxxTR	DW-BJAiTxxTR	DW-BJAiMTxxT
	OS on SSD	2 x 240GB NVMe SSD (RAID1)		480GB SSD	480GB SSD	
CPU		Dual Intel® Xeon® Gold processor		Intel® i7 processor	Intel® i7 processor	
Memory		32GB	64GB	32GB	32GB	
Ethernet port		4x 1G Ethernet ports		2x gigabit Ethernet ports (RJ45)	2x 1G Ethernet	
System	Max video storage rate (Mbps)	600Mbps		600 Mbps	600Mbps	480Mbps
Storage	Max # of analytic streams(secondary)	Up to 64		Up to 64	Up to 64	Up to 64
	Maximum hard drives	8x HDD		6 x SATA HDD	6 x 3.5 SATA HDD, Hot-Swappable	3 x 3.5 SATA HDD
	Maximum storage	160TB, RAID5		96TB, RAID5	96TB, RAID5	48TB
	RAID	OS RAID 1, Data RAID5		RAID5	RAID5	N/A
Video-Out	Outputs	True HD, DVI, 4x Mini DisplayPort outputs, Mini Display Port to true HD adapter (included), 3x Mini DisplayPort outputs, 1 display output at a time		1xTrue HD, 3x Display Port, for system configuration. Maximum 1 display output at a time.	1xTrue HD, 3x Display Port, for system configuration. Maximum 1 display output at a time.	
	Video card	NVIDIA RTX A4000		NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB
Preloaded VMS software		DW Spectrum IPVMS				
Preloaded Analytic software		DW IVA Ai Server				
Remote clients		Cross Platform - Windows, Linux Ubuntu and Mac				
Mobile apps		iOS and Android				
Keyboard and mouse		Included				
Rail kit		Included			---	
Power supply		2000W dual power supply**		500W**	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)	41°F-104°F (5°C-40°C)
Dimension (WxDxH) (inches)		17.08" x 29.03" x 3.4"		17.29" x 21.93" x 3.5"	8.6" x 19.12" x 16.83"	7.46" x 15.7" x 14.21"
Warranty		5 year warranty with next day on-site repair		5 year limited	5 year limited	5 year limited

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

Designed and Commissioned in the U.S.A

Servers and workstations

Blackjack®
Servers Powered by DW Spectrum® IPVMS

Built for Users.™

NDAA/TAA COMPLIANT PRODUCT

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	2-416TB Storage	600Mbps Throughput	Two NIC Cards	Windows 10, Server & Linux Ubuntu OS	RAID5, 6	Hot-Swappable Drives	HD Output	DW Spectrum	5 YEAR Limited Warranty

- Supports all ONVIF conformant IP cameras
- Storage options 2-416TB 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, Windows server or Linux Ubuntu on separate SSD*
- Dedicated RAID controller*
- Hosting DW Spectrum for setup, monitoring and recording
- 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 next business day on-site hardware service, keep your hard drive*

* See data sheets for specifications per camera.

Blackjack®

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		Blackjack Rack™ 2U - 26 Bay Dual Processor	Blackjack Rack™ 2U - 18 Bay Dual Processor	Blackjack Rack™ 2U - 12 Bay Dual Processor	Blackjack Rack™ 2U - 12 Bay Single Processor	Blackjack P-Rack™ 2U w/RAID	Blackjack P-Rack™ 2U	Blackjack P-Rack™ 1U
Included IP licenses		8				4		
Form factor		Rackmount				Rackmount		
Operating system	Windows 10 IoT	BJRR2YxxT	BJRR2XxxT	DW-BJRR2PxxT	DW-BJRR2UxxT	DW-BJPR2UxxT	DW-BJP2UxxT	DW-BJP1UxxT
	Windows Server	BJRR2YxxTLX	BJRR2XxxTLX	DW-BJRR2PxxTS	DW-BJRR2UxxTS	---	---	---
	Linux Ubuntu LTS	BJRR2YxxTS	BJRR2XxxTS	DW-BJRR2PxxTLX	DW-BJRR2UxxTLX	DW-BJPR2UxxT-LX	DW-BJP2UxxT-LX	DW-BJP1UxxT-LX
	OS on SSD	2 x 240GB NVMe SSD (RAID1)				2.5" SSD Option: DW-SSD80 – second SSD for mirroring the OS*	2.5" SSD	
CPU		2x Intel® Xeon® Silver processors			1x Intel® Xeon® Silver processor	Intel® i5® processor Option: DW-CPUI7 - upgrade processor to i7*	Intel®i7® processor	
Memory		32GB (4x 8GB)			16GB (2x 8GB)	16GB		
Ethernet port		2x 1GB Base-T Ethernet Ports, 2x 10GB SFP+ Fiber, iDRAC9 Enterprise	6x 1GB Base-T Ethernet Ports, 2x 10G SFP+ Fiber, iDRAC9 Enterprise	2x Gigabit Ethernet portal		2x Gigabit Ethernet portal		
System	Max video storage rate (Mbps)	600 Mbps				600 Mbps	600 Mbps	360 Mbps
Storage	Maximum hard drives	26x SAS HDDs	18x SAS HDDs	12x HDD		6 x HDD	7 x HDD	3 x HDD
	Maximum storage	416TB, RAID5, RAID6 options	288TB, RAID5, RAID6 options	192TB, RAID5, RAID6 options		96TB	112TB	48TB
		OS RAID 1, Options: Data RAID5, RAID6	OS RAID 1, Options: Data RAID5, RAID6	Option: RAID5		RAID5	---	---
Video-Out	Outputs	1 x mini DisplayPort (mini-DP to true HD adapter included)				True HD output or VGA or DVI		
	Video card	NVIDIA T400 2GB		Nvidia Quadra P400		GeForce 210		
	Resolution	---				---		
Preloaded 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 and mouse		Included				Included		
Rail kit		Included				Included		
Power supply		1100W dual power supply**		Dual 750W Redundant**		400W**	400W**	300W**
Operating temperature		41°F-104°F (5°C-40°C)				41°F-104°F (5°C-40°C)		
Dimension (WxDxH) (inches)		17.6" x 31.9" x 3.41"		19" x 28.25" x 3.41"		17.32" x 26" x 3.5"	17.32" x 26" x 3.5"	17.32" x 20.86" x 1.718"
Field repair kit		---				---	---	---
Warranty		5 year warranty, next business day on-site hardware repair				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

		Full-size Tower™ servers		Mid-size Tower™ servers			Mid-size Tower™ workstations	
PART NUMBER		Blackjack Tower™ full-size	Blackjack Tower™ full-size w/RAID	Blackjack Tower™ mid-size	Blackjack Tower™ mid-size	Blackjack Tower™ mid-size	Blackjack Tower™ monitoring station	Blackjack Tower™ monitoring station
Included IP licenses		4					---	
Form factor		Tower full-size		Tower mid-size			Tower mid-size	
Operating system	Windows 10 64 Bit	DW-BJT71xxT	DW-BJTR715xxT/ DW-BJTR716xxT	DW-BJMT31xxT	DW-BJMT51xxT	DW-BJMT71xxT	DW-BJMTC5204T	DW-BJMTC7404T
	Windows Server	---	DW-BJTR715xxTS/ DW-BJTR716xxTS	---	---	DW-BJMT71xxTS	---	
	Linux Ubuntu	DW-BJT71xxTLX	DW-BJTR715xxTLX/ DW-BJTR716xxTLX	DW-BJMT31xxTLX	DW-BJMT51xxTLX	---	---	
	OS on SSD	Yes		Yes			Yes	
CPU		Intel® i7 processor	Intel® i7 processor	Intel® i3 processor	Intel® i5 processor	Intel® i7 processor	Intel® i5 processor	Intel® i7 processor
Memory		16GB		Ubuntu: 8GB Windows: 16GB	16GB	16GB	16GB	32GB
Ethernet port		2x 1G Ethernet		2x 1G Ethernet			1 x 1G Ethernet	
System	Max video storage rate (Mbps)	600Mbps	RAID5: 600Mbps RAID6: 420Mbps	180Mbps	360Mbps	480Mbps	---	
Storage	Maximum hard drives	7 x HDD	7 x HDD	3 x HDD	3 x HDD	3 x HDD	---	
	Maximum storage	112TB	112TB RAID5, RAID6 options	20TB	48TB	48TB	---	
Video-Out	Outputs	1x true HD, 1x DVI, 1x DP outputs for setup and configuration. 1 output at a time.		1x true HD, 1x DVI, 1x VGA outputs for setup and configuration. 1 output at a time.			Four outputs with DP and True HD	
	Video card	on-board Intel Graphics		on-board Intel Graphics			NVIDIA GTX	NVIDIA RTX
	Resolution	---		---			7680x4320	7680x4320
Preloaded VMS software		DW Spectrum IPVMS		DW Spectrum IPVMS			DW Spectrum IPVMS client only	
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 and mouse		Included		Included			Included	
Rail kit		---		---			---	
Power supply		500W**	500W**	400W**	400W**	400W**	300W**	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)		8.6" x 19.12" x 16.83"		7.46" x 15.7" x 14.21"			7.46" x 15.7" x 14.21"	
Field repair kit		---		---			---	
Warranty		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.

Blackjack DX™ slim desktop	Blackjack DX™ slim desktop	Blackjack DX™ slim desktop	Blackjack DX™ slim desktop	Blackjack CX™
4				4
Slim desktop				PoE NVR
DW-BJDX71xxT	DW-BJDX51xxT	DW-BJDX31xxT	---	---
---	---	---	---	---
---	DW-BJDX51xxT-LX	DW-BJDX31xxT-LX	DW-BJDX11xxT-LX	DW-BJCXxT-LX
m.2 SSD			---	m.2 SSD
Intel® i7 processor	Intel® i5 processor	Intel® i3 processor	Intel® Celeron processor	Intel® Celeron processor
16GB	16GB	Ubuntu: 8GB Windows: 16GB	8GB	8GB
2x Gigabit Ethernet ports				2x gigabit Ethernet ports (RJ45) 16 PoE/PoE+ ports, 8 virtual channels, max total 24 cameras
480 Mbps	360 Mbps	180 Mbps	80 Mbps	80 Mbps
2 x HDD				2x 3.5" SATA HDD
20TB				40TB
1x true HD, 1x DP for system configuration. Maximum 1 display output at a time.	1x true HD, 1x DVI-D, 1x D-Sub for system configuration. Maximum 1 display output at a time.			1x true HD, 1x DVI-I for system configuration. Maximum 1 display output at a time.
Onboard Intel HD Graphics				---
True HD: 4096x2160 DP: 7680x4320 60Hz, 5120x3200 (120Hz)	True HD: 4096x2160@60Hz, DVI-D: 1920x1200@60Hz, D-Sub: 1920x1200@60Hz			4096 x 2160
DW Spectrum IPVMS				DW Spectrum IPVMS
Cross platform - Windows, Linux Ubuntu and Mac				Cross platform - Windows, Linux Ubuntu and Mac
iOS and Android				iOS and Android
Included				Included
---				Wall mount and rack mount ears available. Sold separately
300W**				410W**
41°F-104°F (5°C-40°C)				32°F-104°F (0°C-40°C)
13.1" x 3.8" x 15.6"				16.92" x 11.75" x 13.7"
---				---
5 year limited				5 year limited

C3 CMS™

Command . Control . Communicate

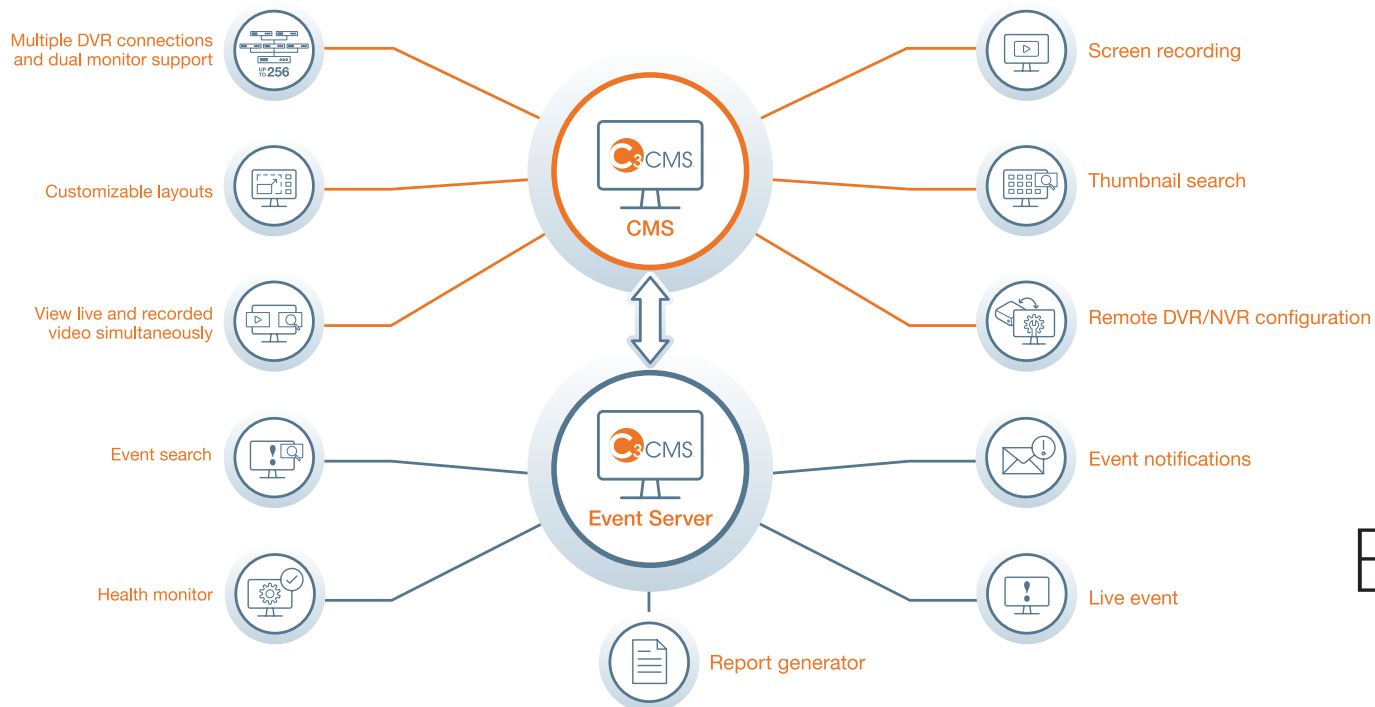## All your systems in one interface.

The C3 is a remote management software suite for the VMAX series (VMAX A1 Plus, VMAX A1 G4, VMAX IP Plus and VMAX IP G4) 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.

All your systems in one interface.

- Multiple DVR connections and dual monitor support
- Customizable layouts
- View live and recorded video simultaneously
- Event search
- Health monitor

CMS

Event Server

- Screen recording
- Thumbnail search
- Remote DVR/NVR configuration
- Event notifications
- Live event

Report generator

Built for Users™

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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.

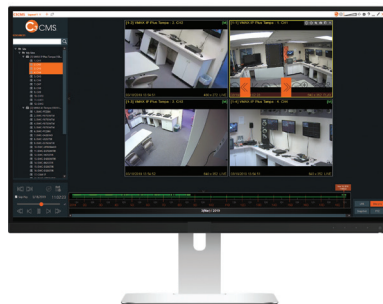C3 CMS allows you to record your own screen.

Thumbnail search.

Find video fast by clicking on thumbnails by the date, hour and minute.
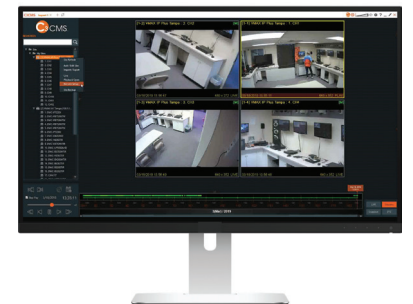
View simultaneous live and recorded video.

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 G4™
Complete IP Video Solutions

NDAA/TAA COMPLIANT PRODUCT

The VMAX IP G4 is an easy to use NDAA-compliant PoE NVR that empowers users with 4K-quality video in a user-friendly stand-alone solution.

The VMAX IP G4 can record up to 4K IP cameras at real-time 30fps. The NVRs are NDAA/TAA compliant, and 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 G4 PoE NVR via 5G and 4G connectivity anytime worldwide.

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

Features:

- Complete installation, setup and camera configuration in 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 (3840×2160)
- Local power for up to 16 IP cameras via resident PoE switch
- PathFinder™ Peer-to-Peer (P2P) remote connection
- Automatic device discovery
- Compatible with ONVIF cameras
- 0-32TB storage options

- Snapshot Notify™: Interval camera image verification sent to an email
- Remote management with C3™ CMS
- Event camera group recording
- System analysis with real-time system, PoE and network status monitoring
- Event and push notifications
- Mobile App for iOS®, Android® and Apple TV®
- RTSP streaming
- Dual-stream recording
- Easy drag and drop camera management
- Instant backup during playback

- Compatible with DW® Spot™ Monitoring module for Public Views
- NVR calculation and auto-recording configuration
- Screen saver to protect monitor screen
- Import/export configuration between multiple NVRs
- Auto or manual firmware upgrade available
- NDAA compliant
- TAA compliant
- 5 year limited warranty

Built for Users.™

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* See data sheets for specifications per camera.

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DW-VG416xT16P	DW-VG412xT8P	DW-VG49xT4P
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, 9
	No. of PoE	16-PoE channels, 1Gbps, 802.3at	8-PoE channels, 100Mbps, 802.3at	4-PoE channels, 100Mbps, 802.3at
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		2x SATA HDD, up to 32TB	2x SATA HDD, up to 32TB	1x SATA HDD, up to 16TB
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, RTSP streaming		
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 40Mbps
Recording resolution		Simultaneous dual stream recording		
Audio input/output		1-channel input / 1-channel output		
Alarm input / Relay output		8-channel inputs / 4-channel outputs	4-channel inputs / 1-channel output	4-channel inputs / 1-channel output
PTZ control		RS-485, ONVIF		
LAN		1 x Gbps Ethernet (RJ45)		
Power requirements		54V DC, 3.33A	48V DC, 2.5A	48V DC, 1.25A
Power consumption		180W total power budget (recorder + PoE ports) 150W, 9.37W per PoE port 30W	120W total power budget (recorder + PoE ports) 96W, 12W per PoE port 30W	60W total power budget (recorder + PoE ports) 48W, 12W per PoE port 30W
Operating temperature		32-113 °F (0-45 °C)		
Dimension (WxDxH)		14.96" x 10.55" x 1.77" (380 x 268 x 45 mm)	14.96" x 10.55" x 1.77" (380 x 268 x 45 mm)	11.81" x 9.8" x 1.77" (300 × 249 × 45 mm)
Warranty		5 year limited warranty		

Built for Users

MEGApix® Ai™

Ai edge engine with Deep Learning (DL) and up to 4K real-time intelligent video solutions.

4K ULTRA HD

NDAA COMPLIANT PRODUCT

MEGApix Ai cameras place the power of Ai DL at your fingertips, with object detection and tracking. The cameras detect only the objects you want, significantly reducing false alarms, conserving recording storage and enabling a more efficient monitoring solution.

Optimized performance at the edge

MEGApix Ai's analytics engine is especially designed for the edge, working on the camera side to substantially reduce bandwidth consumption, accelerate response times with overall improved performance.

Reduce false alarms
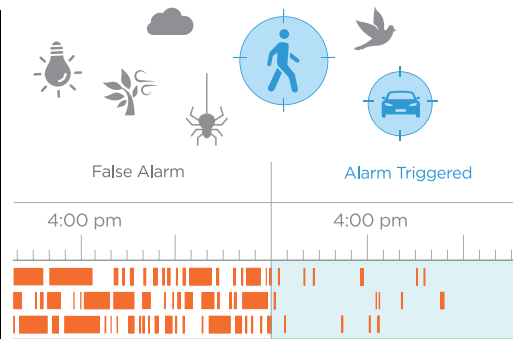
Categorizes moving objects and people, distinguishing them from environmental items such as spiders, shaking shadows and moving lights to reduce false alarm rates and save on storage.

False Alarm   Alarm Triggered

4:00 pm   4:00 pm

Accurate object classification

The DL Object Tracker allows the automatic classification of people, cyclists, cars, buses and vans, trucks, motorcycles, bicycles and bags.

ANPR and MMCR technology

Detect and extract numbers and letters in license plates at up to 45mph, with over 95% accuracy. Convert the pixels to usable digital data and identify the vehicle's make, model, color and type.

ANPR Automated Number Plate Recognition

K50 1234

MMCR Make, Brand, Color and Type Recognition

HYUNDAI   GRANDEUR
WHITE   CAR

4K cameras | ANPR camera

NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-XSDE08Mi	DWC-XSBA08Mi	DWC-XSBE08Mi	DWC-XSDJ08Mi	DWC-XSBA05MiL
Image	Image sensor	4K 1/2.8" Star-Light Plus CMOS sensor				5MP 1/2.8" Star-Light Plus CMOS sensor
	Total pixels	3864(H) x 2228(V)				2704(H) X 2104(V)
	Minimum scene illumination	0.09 lux (color)		0.09 lux (color)		0.09 lux (color)
		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
Lens	Focal length	2.7-13.5mm		2.7-13.5mm	2.7-13.5mm	6-50mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus		Vari-focal p-iris lens with motorized-zoom and auto-focus		Vari-focal p-iris lens with motorized zoom and auto-focus
	IR distance	100ft range	140ft range	100ft range	80ft range	130ft range
	Angle of view	33.1°-90.3°	33.1°-90.3°	33.1°-90.3°	33.1°-90.3°	6.9°-40.8°
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				
	Deep learning analytics	Deep Learning object tracking				Deep learning object tracking and automatic number plate recognition (ANPR)
	Analytics filters	Detection zones and lines, logical rules, tamper, intrusion, counting, counting lines, appear, disappear, stopped, enter, exit, tailgating, dwell, logical rules, direction, metadata				
	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	Bullet	Bullet with junction box	Vandal dome with junction box	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)		-40°F ~ 122°F (-40°C ~ 50°C)
	IP rating	IP67-rated				
	IK rating	IK 10-rated impact-resistant				
	Other certifications	FCC, CE, UL-listed, ROHS, NDAA compliant		FCC, CE, ROHS, NDAA compliant		
Electrical	Power requirements	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)	DC12V, PoE IEEE 802.3at PoE+ Class4 (Adapter not included)	DC12V, PoE IEEE 802.3at PoE+ Class4 (Adapter not included)		DC12V, PoE IEEE 802.3at PoE+ Class4 (Adapter not included)
	Power consumption	DC12V: 10.2W, 850mA PoE: 12.5W	DC12V: 13.2W, 1.1A PoE: 14.4W, 0.3A	DC12V: 13.08W, 1.09A PoE: 14.97W, 0.312mA		DC12V: 13,2W, 1,1A PoE: 14,4W, 0,3A
Mechanical	Dimensions	4.92" x 3.62"	12.2" x 3.81"	7.44" x 5.78"	5.09" x 5.74"	12.2" x 3.81"

Ai IP cameras

		10MP dual-sensor camera	5MP cameras			Flash LEDs Camera

	PART NUMBER	DWC-PDS10Wi28A	DWC-XSDE05Mi	DWC-XSBA05Mi	DWC-XSDA05Bi	DWC-XSTD05MF
Image	Image sensor	2x 5MP 1/2.8" Star-Light Plus CMOS	5MP 1/2.8" Star-Light Plus CMOS sensor			
	Total pixels	2x 2592(H) X 1944(V)	2704(H) X 2104(V)			2592(H) X 1944(V)
	Minimum scene illumination	0.13 lux (color)	0.08 lux (color)	0.09 lux (color)	0.13 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)
	Audio input/ output	1 microphone built-in/1 output	1 line in, 1 line out			
Lens	Focal length	2x 2.8mm, F1.8	2.7-13.5mm		2.8mm	2.7-13.5mm
	Lens type	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	100ft range	140ft range	80ft range	75ft range
	Angle of view	102.4°	31.6°-98.3°	31°-96°	102.4°	31.6°-98.3°
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				
	Deep learning analytics	Deep Learning object tracking				
	Analytics filters	Detection zones and lines, logical rules, tamper, intrusion, counting, counting lines, appear, disappear, stopped, enter, exit, tailgating, dwell, logical rules, direction, metadata				
	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	Dual-sensor vandal dome	Low-profile vandal dome	Bullet	Ultra low-profile vandal dome	Galaxy™ vandal ball turret
	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	IP67-rated				
	IK rating	IK 10-rated impact-resistant				
	Other certifications	FCC, CE, ROHS, UL-listed NDAA compliant	FCC, CE, ROHS, NDAA compliant			
Electrical	Power requirements	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)	DC12V, PoE IEEE 802.3at PoE+ Class4 (Adapter not included)	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)
	Power consumption	DC12V: max 8.5W 708mA PoE: max 10.6W	DC12V: 10.4W, 866mA PoE: 12.5W	DC12V: 13.2W, 1.1A PoE: 14.4W	DC12V: 7.1W, 591mA PoE: 9.6W	
Mechanical	Dimensions	5.47" x 3.12"	4.92" x 3.62"	12.2" x 3.81"	4.13" x 2.4"	4.92" x 4.79"

IP cameras

MEGAPIX PANO
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.

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

Features:

- 4x 1/1.8" image sensor at real-time 30fps, 21MP 180° panoramic view IP camera
- Star-Light Plus™ color in near-total darkness technology
- 4x 8.0mm fixed lens
- Fast frame rates: real-time 30fps at 21MP
- Zero distortion anti-reflective glass
- PoE injector included
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)

- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Alarm sensor input and relay output
- 4x Micro SD/SDHC/SDXC card slot (not included)
- Web server built-in
- NDAA compliant
- UL-listed
- IP66-rated housing
- 5 year warranty

8-21MP Total Resolution   **Star-Light Plus™**   **360° 180° Panoramic View**   **IP66/67 Rated**   **5 YEAR Warranty**

Built for Users.™

ONVIF

NDAA COMPLIANT PRODUCT

IVA Inside

PART NUMBER		DWC-PZ21M69TW	DWC-M(P)BW8Wi2TW
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	Smart DNR™ 3D digital noise reduction	
	WDR	---	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 dual-streaming	
	On board storage	4x 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, TAA 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 PoE: 23.2W	DC12V: 8.9W PoE: 12.3W
Mechanical	Dimensions	7.55" x 4.25"	5.03" x 8.75" x 3.8"

IP cameras

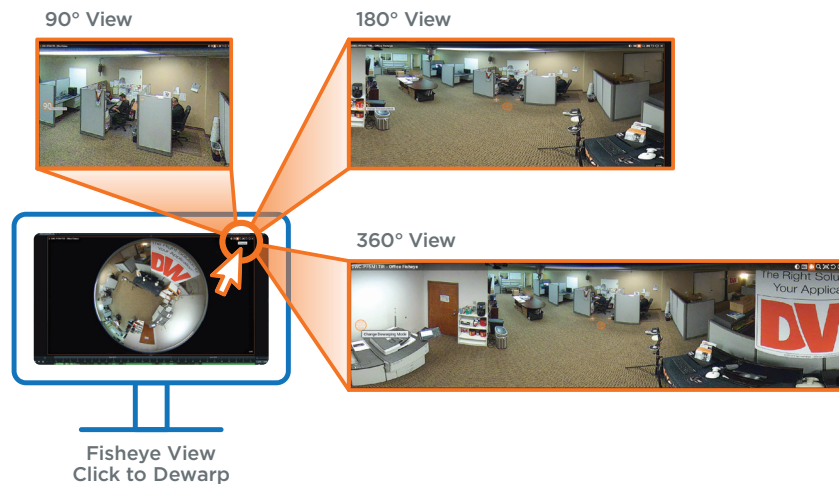## MEGAPIX PANO™ 9MP 5MP
Panoramic View IP Cameras

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.
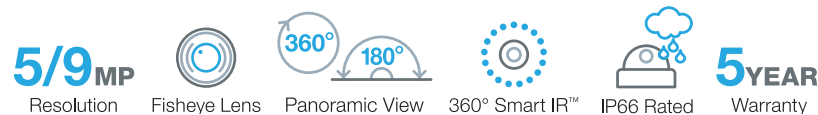
Fisheye view.

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

90° View

180° View

360° View

Fisheye View
Click to Dewarp

NDAA COMPLIANT PRODUCT

IVA Inside | IVA Inside

PART NUMBER		DWC-P(P)VF9Di2TW	DWC-P(P)VF5Di1TW
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"	

5/9MP Resolution

Fisheye Lens

360° 180° Panoramic View

360° Smart IR™

IP66 Rated

5YEAR Warranty

Features:

- 9MP and 5MP models at real-time resolution
- 2.1mm and 1.55mm fisheye lens options
- Support 360° hemispheric fisheye view and 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

20

* See data sheets for specifications per camera.

MEGAPIX FLEX™ 20MP 16MP

Configurable Multi-Sensor IP Cameras

4 in ONE One Installation

IVA Inside

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.
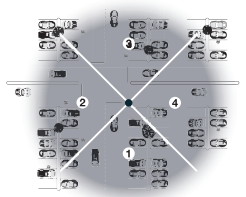
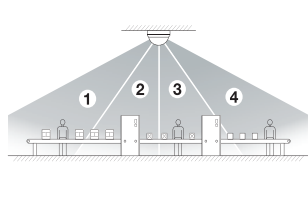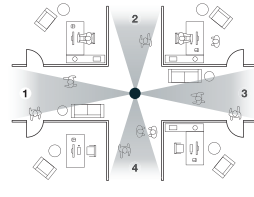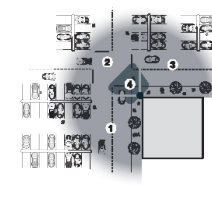### FLEX™ Four Cameras in One Installation!

360° Parking Lot Installation   180° Assembly Line Installation   360° Hallway Installation
Sensor's max tilt: 70°   270° Corner Installation

Features:

UP TO **20**MP Resolution at 30fps   **4x** Vari-Focal or Fixed Lens Modules   4-in-1 Install   Flexible Sensor Install   IP-Rated Housing   **5** YEAR 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
- UL-listed
- IP66 and IP67-rated housing options*
- IK10 impact-resistant housing*
- 5 year warranty

ONVIF

NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-PVX16WW DWC-PVX16W2W* DWC-PVX16W4W*	DWC-P(P)VX20WATW
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, NDAA compliant	
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-PVX16W2W includes 4x 2.8mm fixed lens modules installed.
* DWC-PVX16W4W includes 4x 4.0mm fixed lens modules installed.

IP Cameras

MEGApix ®
IP Cameras

**4K** ULTRA HD   **5**MP **4**MP **3**MP **2.1**MP

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 PRODUCT

MP RESOLUTION

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.

4k
5MP
4MP
2.1MP / 1080p
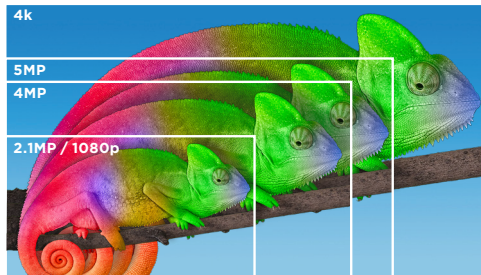
Star-Light Plus™ color in darkness technology.

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 for 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:

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

- 4K, 5MP, 4MP, 3MP and 2.1MP/1080p image sensors at real-time 30fps
- Star-Light Plus color in darkness technology*
- Intelligent Video Analytics (IVA) detecting and classifying people and objects in real-time.
- 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*
- Smart DNR™ 3D digital noise reduction

- CleanView™ hydrophobic dome coating repels water, dust and grease*
- Audio input through built-in microphone*
- 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)*
- Alarm sensor input and relay output*

- Web server built-in
- PoE class 2 and class 3 and DC12V
- Waterproof cabling
- ONVIF conformant, profile S
- UL listed*
- NDAA compliant*
- TAA compliant*
- IP-rated housing*
- IK 10-rated impact-resistant
- 5 year warranty

Built for Users™

ONVIF

* See data sheets for specifications per camera.

NDAA COMPLIANT PRODUCT

		4K cameras					5MP cameras	
	PART NUMBER	DWC-M(P)VC8WiATW	DWC-M(P)VC8Wi28TW	DWC-M(P)B48WiATW	DWC-M(P)VD8WiATW	DWC-M(P)VD8Wi28TW	DWC-M(P)VA5WiAT	DWC-M(P)VA5Wi28T
Image	Image sensor	4K 1/2.8" Star-Light Plus™ CMOS					5MP 1/2.8" Star-Light Plus™ CMOS	
	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)	2592(H) X 1944(V)	
	Minimum scene illumination	0.043 lux (color)	0.18 lux (color)	0.09 lux (color)	0.09 lux (color)	0.12 lux (color)	0.08 lux (color)	0.13 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	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	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	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	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	100ft range	100ft range
	Angle of view	33.1°-90.3°	105.5°	33.1°-90.3°	33.1°-90.3°	105.5°	31° ~ 85°	103°
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					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: intrusion, line crossing, counting line, loitering, enter, exit, tamper	
		IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left					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	30fps at all resolutions					Up to 30fps at all resolutions	
	Streaming capability	Simultaneous dual-streaming					Simultaneous dual-streaming	
	Onboard storage	Micro SD / SDHC / SDXC					---	---
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS					DW Spectrum IPVMS, plus other ONVIF conformant VMS	
Environmental	Housing	Low-profile vandal dome	Low-profile vandal dome	Bullet	Galaxy™ vandal ball turret	Galaxy™ vandal ball turret	Vandal ball turret	Vandal ball turret
	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)	
	IP rating	IP67-rated	IP67-rated	IP67-rated	IP66-rated	IP66-rated	IP67-rated	
	IK rating	IK 10-rated impact-resistant			IK 9-rated impact-resistant		IK 10-rated impact-resistant	
	Other certifications	FCC, CE, ROHS, UL-listed, 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		12V DC, PoE IEEE 802.3af, Class 3	
	Power consumption	DC12V: 9.3W PoE: 11.6W	DC12V: 8W PoE: 9.6W	DC12V: 10.2W PoE: 16W	DC12V: 12.4W PoE: 14.9W	DC12V: 9.8W PoE: 13.9W	DC12V: max 7.1W PoE: max 8.5W	DC12V: max 6.5W PoE: max 7.8W
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"	4.92" x 4.8"	4.92" x 4.8"

IVA IP cameras

Height strip camera

5MP cameras

	PART NUMBER	DW-M(P)HS5W37T	DWC-M(P)V85WiATW	DWC-M(P)F5Wi4TW DWC-M(P)F5Wi6TW DWC-M(P)F5Wi8TW	DWC-M(P)V75Wi28TW DWC-M(P)V75Wi4TW DWC-M(P)V75Wi6TW	DWC-M(P)V45WiATW	DWC-M(P)B45Wi650TW	DWC-M(P)B45WiATW
Image	Image sensor	5MP 1/2.8" Star-Light Plus™ CMOS	5MP 1/2.8" Star-Light Plus™ CMOS					
	Total pixels	2592(H) X 1944(V)	2592(H) X 1944(V)					
	Minimum scene illumination	0.26 lux (color)	0.08 lux (color) 0.0 lux (B/W)	0.16 lux (color) 0.0 lux (B/W)	Color: 0.13 lux (DWC-M(P)V75Wi28TW) 0.16 lux (DWC-M(P)V75Wi4TW/6TW) 0.0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.08 lux (color) 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	1 line in, 1 line out	1 line in, 1 line out
Lens	Focal length	3.7mm, F2.5	2.7 ~ 13.5mm	4.0mm (DWC-M(P)F5Wi4TW) 6.0mm (DWC-M(P)F5Wi6TW) 8.0mm (DWC-M(P)F5Wi8TW)	2.8mm (DWC-M(P)V75Wi28TW) 4.0mm (DWC-M(P)V75Wi4TW) 6.0mm (DWC-M(P)V75Wi6TW)	2.7 ~ 13.5mm	6-50mm	2.7 ~ 13.5mm
	Lens type	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		
	IR distance	---	100ft range	50ft range	80ft range	100ft range	140ft range	140ft range
	Angle of view	87.6°	31° ~ 96°	82.3° (DWC-M(P)F5Wi4TW) 51.9° (DWC-M(P)F5Wi6TW) 37.8° (DWC-M(P)F5Wi8TW)	102.4° (DWC-M(P)V75Wi28TW) 82.3° (DWC-M(P)V75Wi4TW) 51.9° (DWC-M(P)V75Wi6TW)	31° ~ 96°	6.9° ~ 40.8°	31° ~ 85°
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						
	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	
	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	Up to 30fps at all resolutions					
	Streaming capability	Simultaneous dual-streaming	Simultaneous dual-streaming					
	Onboard storage	---	Micro SD / SDHC / SDXC					
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS	DW Spectrum IPVMS, plus other ONVIF conformant VMS					
Environmental	Housing	Height Strip	Low-profile vandal dome	Ultra low-profile vandal dome	Ultra low-profile vandal dome	SnapIt™ vandal dome	Bullet	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)		
	IP rating	---	IP66-rated		IP67-rated	IP68-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, UL-listed, NDAA compliant					
Electrical	Power requirements	12V DC, PoE IEEE 802.3af, Class 2	12V DC, PoE IEEE 802.3af, Class 3					
	Power consumption	DC12V Max 4W, 33.3mA, PoE Max 4.8W, 100mA	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: max 9W PoE: max 10.5W	DC12V: max 9W PoE: max 10.5W
Mechanical	Dimensions	1.85" x 1.45" x 33.85"	4.9" x 3.6"	4.9" x 2.9"	4.13" x 2.4"	5.47" x 4.93"	9.73" x 3.8"	9.73" x 3.8"

5MP camera	2.1MP/1080p cameras							Pinhole camera
DWC-M(P)B75Wi4TW	DWC-M(P)VA2WiAT	DWC-M(P)VA2Wi28T	DWC-M(P)V82WiATW	DWC-M(P)F2Wi28TW / DWC-M(P)F2WI4TW	DWC-M(P)V72Wi28ATW / DWC-M(P)V72Wi4ATW	DWC-M(P)V72Wi28TW / DWC-M(P)V72Wi4TW / DWC-M(P)V72Wi6TW	DWC- M(P)B72Wi4TW	DWC-M(P)PH2W28TW
5MP 1/2.8" Star-Light Plus™ CMOS	2.1MP/1080p 1/2.8" Star-Light Plus™ CMOS							2.1MP/1080p 1/2.8" Star-Light Plus™ CMOS
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)	1945(H) X 1109(V)
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-M(P)V72Wi28ATW) 0.09 lux (color) (DWC-M(P)V72Wi28ATW) 0.0 lux (B/W)	0.09 lux (color) (DWC-M(P)V72Wi4TW, DWC-M(P)V72Wi6TW) 0.05 lux (color) (DWC-M(P)V72Wi28TW) 0.0 lux (B/W)	0.09 lux (color) 0.0 lux (B/W)	0.065 lux (color)
---	---	---	1 line in, 1 line out	1 line in, 1 line out	Built-in microphone	---	---	---
4.0mm	2.7 ~ 13.5mm	2.8mm	2.8 ~ 12mm	2.8mm	2.8mm (DWC-M(P)V72Wi28ATW) 4.0mm (DWC-M(P)V72Wi4ATW)	2.8mm (DWC-M(P)V72Wi28TW) 4.0mm (DWC-M(P)V72Wi4TW) 6.0mm (DWC-M(P)V72Wi6TW)	4.0mm	2.8mm
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				Fixed lens
100ft range	100ft range	100ft range	100ft range	50ft range	80ft range	80ft range	100ft range	---
82.3°	34.1° ~ 93.6°	110°	35° ~ 96°	115°	115° (DWC-M(P)V72Wi28ATW) 86° (DWC-M(P)V72Wi4ATW)	115° (DWC-M(P)V72Wi28TW) 86° (DWC-M(P)V72Wi4TW) 55° (DWC-M(P)V72Wi6TW)	86°	106.6°
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					Micro SD
DW Spectrum IPVMS, plus other ONVIF conformant VMS								
Bullet	Vandal ball turret	Vandal ball turret	Low-profile vandal dome	Ultra low-profile vandal dome			Bullet	Pinhole camera
-4°F ~ 122°F (-20°C ~ 50°C)								-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								CE, FCC, RoHS, NDAA compliant
DC12V, PoE IEEE 802.3af class 3				PoE IEEE 802.3af class 2				DC 12V, PoE IEEE 802.3af Class 3
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	DC12V: 3.6W PoE: 4W
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"	Main unit: 4.21" x 4.88" x 1.41" Camera sensor: 1.1" x 1.08" Cable length: 21.32ft

IP cameras

		LPR camera	2.1MP/1080p cameras			
PART NUMBER		DWC-MB45iALPRTW	DWC-MD72Di28T	DWC-MV72Di28TW DWC-MV72Di4TW	DWC-MV82DiVT	DWC-MB62DiVTW
Image	Image sensor	5MP 1/2.8" Star-Light Plus CMOS	2.1MP/1080p 1/2.9" CMOS			
	Total pixels	2592(H) X 1944(V)	2001 (H) X 1121 (V)			
	Minimum scene illumination	0.0 lux (B/W)	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)
Audio input/ output		1 line in, 1 line out	---			
Lens	Focal length	6-50mm	2.8mm	2.8mm (DWC-MV72Di28TW) 4.0mm (DWC-MV72Di4TW)	2.7 - 13.5mm	
	Lens type	Vari-focal p-iris lens with motorized-zoom and auto-focus	Fixed lens	Fixed lens	Vari-focal lens	
	IR distance	80ft range	50ft range	80ft range	100ft range	100ft range
	Optical zoom	---	---	---	---	---
	Angle of view	6.9° - 40.8°	109°	103° (DWC-MV72Di28TW) 84° (DWC-MV72Di4TW)	89.6° - 27°	
Operational	Digital noise reduction (DNR)	---	Smart DNR™ 3D digital noise reduction			
	Wide dynamic range	---	D-WDR			
	Day and night	B/W mode only	True D/N			
	Motion detection		Yes			
	Privacy zones	16 privacy masks	16 privacy masks			
	Capture image range	Up to 60'	---			
	Max. vehicle speed	50mph	---			
	Alarm input	1 alarm input	---			
	Alarm output	1 alarm output	---			
Network	Video compression type	H.265, H.264, MJPEG	H.265, H.264, MJPEG			
	Frame rate	30fps at all resolutions	30fps at all resolutions			
	Streaming capability	Simultaneous dual-streaming	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	-40°F - 122°F (-40°C - 50°C)	-4°F - 122°F (20°C - 50°C)			
	IP rating	IP66-rated	---	IP67-rated	IP66-rated	IP66-rated
	IK rating	IK 9-rated impact-resistant	---	IK 10-rated impact-resistant	IK 10-rated impact-resistant	---
	Other certifications	FCC, CE, ROHS, UL listed, NDAA compliant	FCC, CE, ROHS, UL listed, 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 9W PoE: max 10.5W	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	9.73" x 3.8" * Based on the position of the sun shield cover	4.13" x 2.93"	4.13" x 2.4"	4.9" x 3.6"	9.92" x 3.81"

PTZ camera | IP cameras with DMP SecuriCam® video verification

NDAA COMPLIANT PRODUCT

	PART NUMBER	DWC-MPTZ336XW	DWC-MPTZ230XTW	DWC-MB75Wi4TWDMP	DWC-MF5Wi4TWDMP	DWC-MB72Wi4TWDMP	DWC-MF2Wi4TWDMP
Image	Image sensor	3MP 1/2.8" Star-Light Plus™ CMOS	2.1MP/1080p 1/3" Star-Light Plus™ CMOS	5MP 1/2.8" Star-Light Plus CMOS, 4MP resolution		2.1MP/1080p 1/2.8" Star-Light Plus CMOS	
	Total pixels	2065 (H) x 1565 (V)	1981(H) X 1288(V)	2593 (H) x 1944 (V)		1945 (H) x 1109 (V)	
	Minimum scene illumination	0.35 lux (color)	0.05 lux (color)	0.16 lux (color)		0.09 lux (color)	
		0 lux (B/W)	0 lux (B/W)	0.0 lux (B/W)		0.0 lux (B/W)	
	Audio input/ output	1x line in and 1x line out		---			
Lens	Focal length	4.6 - 165.6mm	4.3-129mm	4.0mm		4.0mm	
	Lens type	Motorized zoom PTZ lens		Fixed lens			
	IR distance	1148ft range	200ft range	100ft range	50ft range	100ft range	50ft range
	Optical zoom	36x optical zoom	30x optical zoom	---	---	---	---
	Angle of view	58.1-1.9°	65.1°-2.34°	82.3°	82.3°	86°	86°
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	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.264					
	Frame rate	10fps					
	Streaming capability	Quad streaming	Dual-streaming	Based on the DMP system			
	Onboard storage	Micro SD / SDHC / SDXC		---	---	---	---
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS		DMP®			
Environmental	Housing	PTZ high-speed dome		Bullet	Ultra low-profile vandal dome	Bullet	Ultra low-profile vandal dome
	Operating temperature	-22°F - 131°F (-30°C - 55°C)	-4°F - 122°F (-20°C - 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)			
	IP rating	IP66-rated		IP67-rated	IP66-rated	IP67-rated	IP66-rated
	IK rating	IK 10-rated impact-resistant		---	IK 10-rated impact-resistant	---	IK 10-rated impact-resistant
	Other certifications	CE, FCC, RoHS, TAA compliant	CE, FCC, RoHS, UL-listed, NDAA compliant	CE, FCC, ROHS, UL-listed, NDAA compliant			
Electrical	Power requirements	PoE (UPoE) Class 4 (PoE injector included), DC 12V	PoE IEEE 802.3bt Class 5 (PoE injector included), DC24V, AC24V	DC 12V, PoE IEEE 802.3af Class 3		DC 12V, PoE IEEE 802.3af Class 2	
	Power consumption	PoE: 28W, 500mA DC 12V: 28W, 2.3A	DC24V: 40W, 1666mA AC24V: 35W, 1485mA PoE: 42W, 1750mA	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
Mechanical	Dimensions	7.94" x 12.51"	5.9" x 9.13"	6.41" x 2.65"	4.9" x 2.9"	6.41" x 2.65"	4.9" x 2.9"

5MP cameras

WHITE LIGHT TECHNOLOGY

DWC-MT95WW28TW	DWC-MV95Wi28TW DWC-MV95Wi36TW	DWC-MV95WiATW	DWC-MT95Wi28TW DWC-MT95Wi36TW	DWC-MT95WiATW	DWC-MB95Wi28TW DWC-MB95Wi36TW
5MP 1/2.7" CMOS	5MP 1/2.7" CMOS				
2592 (H) × 1944 (V)	2592 (H) × 1944 (V)				
0.0 lux (B/W)	0.02 lux (color)	0.01 lux (color)	0.02 lux (color)	0.01 lux (color)	0.02 lux (color)
	0.0 lux (B/W)				
1 audio input and 1 microphone built-in	1 audio input and 1 microphone built-in		1 audio input and 1 microphone built-in		1 line in
2.8mm	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)
Fixed Lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens
2 white light LEDs, 98ft range	100ft range	164ft range	100ft range	164ft range	164ft range
94.8°	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)
Smart DNR™ 3D digital noise reduction	Smart DNR™ 3D digital noise reduction				
True WDR	True WDR				
Color mode only	True D/N				
Yes	Yes				
4 programmable privacy masks	4 programmable privacy masks				
---	1 alarm input		---		
---	1 alarm output		---		
H.265, H.264, MJPEG	H.265, H.264, MJPEG				
Up to 30fps at all resolutions	Up to 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				
Turret	Vandal dome		Turret		Bullet
-22°F ~ 140°F (-30°C ~ 60°C)	-22°F ~ 140°F (-30°C ~ 60°C)				
IP67-rated	IP67-rated				
IK10-rated impact-resistant	IK 10-rated impact-resistant				
CE, FCC, ROHS, NDAA compliant	CE, FCC, ROHS, NDAA compliant				
DC 12V, PoE IEEE 802.3af Class 3.	DC 12V, PoE IEEE 802.3af Class 3.				
< 7W	<6W	<9W	<7W	<9W	<9W
4.66" x 3.58"	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"

IP cameras

V-Class 4MP cameras

NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-VSDG04Bi	DWC-VSDG04Mi	DWC-VSTB04Bi	DWC-VSTB04Mi	DWC-VSBD04Bi	DWC-VSBD04Mi
Image	Image sensor	4MP 1/3" CMOS					
	Total pixels	2560 × 1440					
	Minimum scene illumination	0.005 lux (color)					
		0.0 lux (B/W)					
	Audio input/ output	1 audio input and 1 microphone built-in	1 audio input and 1 microphone built-in/ 1 output	1 audio input and 1 microphone built-in			
Lens	Focal length	2.8mm	2.8-12mm	2.8mm	2.8-12mm	2.8mm (DWC-MB95Wi28T)	2.8-12mm
	Lens type	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens
	IR distance	100ft range	164ft range	100ft range	164ft range	164ft range	164ft range
	Angle of view	94°	92°-31°	94°	92°-31°	94°	92°-31°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction					
	Wide dynamic range (WDR)	True WDR					
	Day and night	True D/N					
	Motion detection	Yes					
	Privacy zones	8 programmable privacy masks					
	Alarm input	---					
	Alarm output	---					
Network	Video compression type	H.265, H.264, 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	Vandal dome		Turret		Bullet	
	Operating temperature	-22°F ~ 140°F (-30°C ~ 60°C)					
	IP rating	IP67-rated					
	IK rating	IK 10-rated impact-resistant					
	Other certifications	CE, FCC, ROHS, NDAA compliant					
Electrical	Power requirements	DC 12V, PoE IEEE 802.3af Class 3.					
	Power consumption	<4.5W	<7.5W	<5W	<8W	<8W	<8W
Mechanical	Dimensions	4.59" x 3.54"	5.55" x 3.93"	4.25" x 3.77"	5.16" x 4.29"	8.69" x 3.16" x 2.77"	8.69" x 3.16" x 2.77"

IP Cameras

MEGAPIX® CaaS™ 5MP 4MP

Camera as a System

Built for Users™

NDAA COMPLIANT PRODUCT

What is CaaS?

DW's Camera as a System edge solutions is *YOUR* cloud solution, allowing 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.

CaaS CAMERA AS A SYSTEM

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™.

Blackjack® NAS
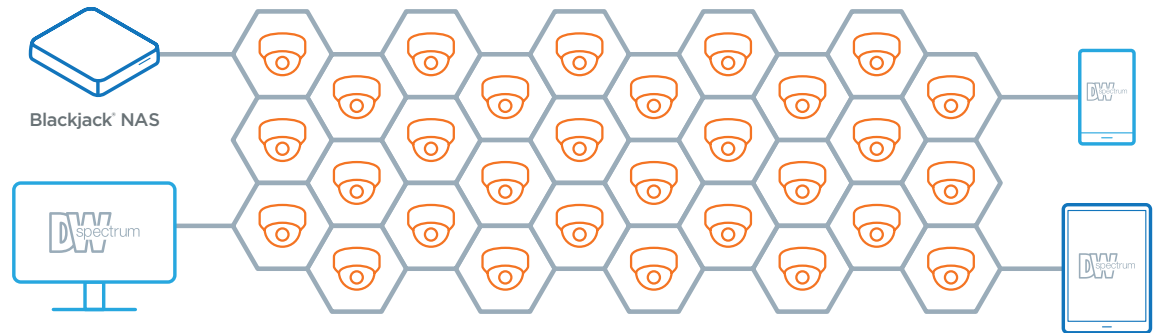
Features:

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

- 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*
- DW Spectrum IPVMS preloaded for out-of-the-box operation
- 24/7 access to live and recorded video feed

- Edge-to-edge image clarity
- 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 input and relay output*
- Web server built-in
- Waterproof cabling*
- NDAA compliant
- UL-listed
- IP66-rated
- IK10-rated impact-resistant*
- 5 year warranty

Onvif

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* 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.

MEGAPIX® CaaS™

NDAA COMPLIANT PRODUCT

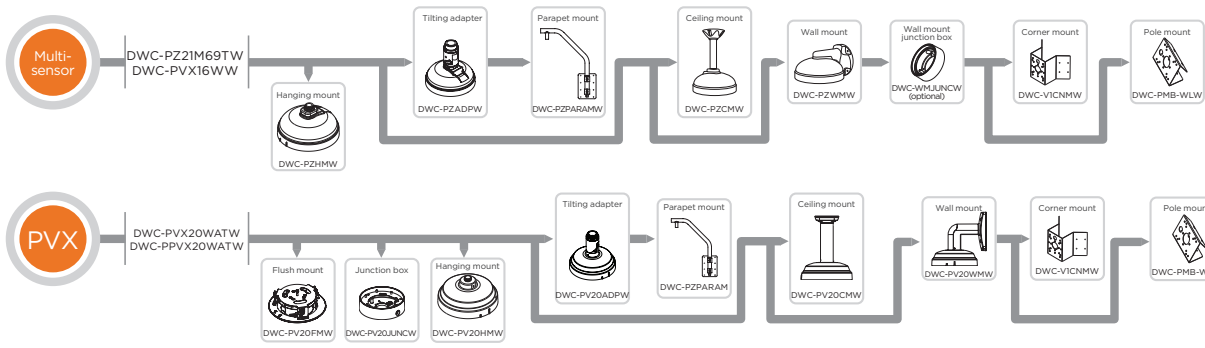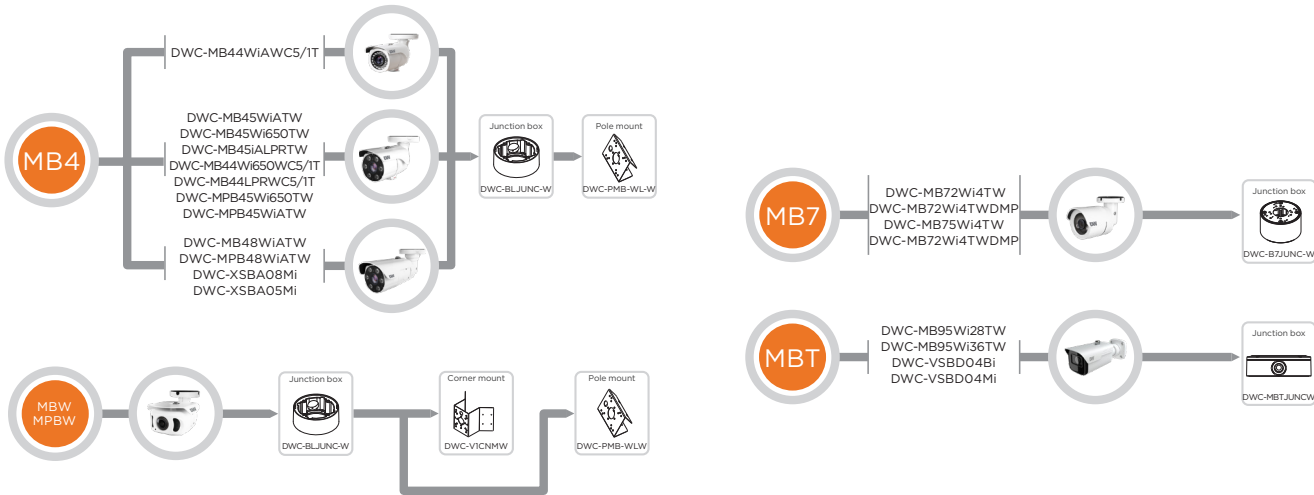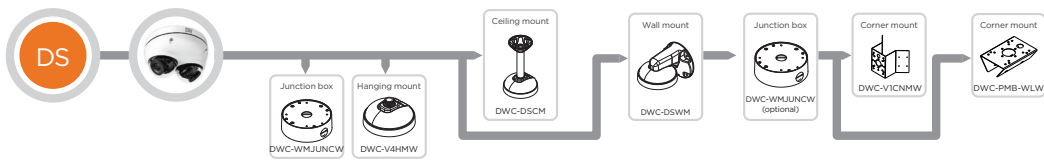|		Fisheye camera	LPR camera		4MP camera			
PART NUMBER		DWC-PVF5M1TIRWC5 DWC-PVF5M1TIRWC1T	DWC-MB44LPRWC5 DWC-MB44LPRWC1T	DWC-MB44Wi650WC5 DWC-MB44Wi650WC1T	DWC-MB44WiAWC5 DWC-MB44WiAWC1T	DWC-MV84WiAWC5 DWC-MV84WiAWC1T	DWC-MF4Wi6WC5 DWC-MF4Wi6WC1T	DWC-MF4Wi4WC5 DWC-MF4Wi4WC1T
Image	Image sensor	6.4MP 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, plus other ONVIF conformant VMS						
	Number of DW Spectrum® CaaS™ licenses included	1 DW Spectrum CaaS license included						
	Local server recording	DWC-PVF5M1TIRWC5: 512GB DWC-PVF5M1TIRWC1T: 1TB	DWC-MB44LPRWC5: 512GB DWC-MB44LPRWC1T: 1TB	DWC-MB44Wi650WC5: 512GB DWC-MB44Wi650WC1T: 1TB	DWC-MB44WiAWC5: 512GB DWC-MB44WiAWC1T: 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"	9.73" x 3.8"	8.77" x 3.07"	4.9" x 3.6"	4.9" x 2.9"	4.9" x 2.9"

Camera accessories

Multi-sensor dome cameras

Multi-sensor
DWC-PZ21M69TW
DWC-PVX16WW

Hanging mount
DWC-PZHMW

Tilting adapter
DWC-PZADPW

Parapet mount
DWC-PZPARAMW

Ceiling mount
DWC-PZCMW

Wall mount
DWC-PZWMW

Wall mount junction box
DWC-WMJUNCW
(optional)

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

PVX
DWC-PVX20WATW
DWC-PPVX20WATW

Flush mount
DWC-PV20FMW

Junction box
DWC-PV20JUNCW

Hanging mount
DWC-PV20HMW

Tilting adapter
DWC-PV20ADPW

Parapet mount
DWC-PZPARAM

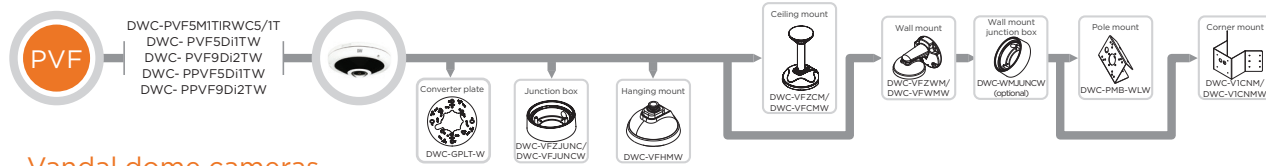Ceiling mount
DWC-PV20CMW

Wall mount
DWC-PV20WMW

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

Weather resistant bullet cameras

MB4
DWC-MB44WiAWC5/1T

DWC-MB45WiATW
DWC-MB45Wi650TW
DWC-MB45iALPRTW
DWC-MB44Wi650WC5/1T
DWC-MB44LPRWC5/1T
DWC-MPB45Wi650TW
DWC-MPB45WiATW

DWC-MB48WiATW
DWC-MPB48WiATW
DWC-XSBA08Mi
DWC-XSBA05Mi

Junction box
DWC-BLJUNC-W

Pole mount
DWC-PMB-WL-W

MB7
DWC-MB72Wi4TW
DWC-MB72Wi4TWDMP
DWC-MB75Wi4TW
DWC-MB72Wi4TWDMP

Junction box
DWC-B7JUNC-W

MBT
DWC-MB95Wi28TW
DWC-MB95Wi36TW
DWC-VSBD04Bi
DWC-VSBD04Mi

Junction box
DWC-MBTJUNCW

MBW MPBW

Junction box
DWC-BLJUNC-W

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

Weather resistant bullet cameras

DS

Junction box
DWC-WMJUNCW

Hanging mount
DWC-V4HMW

Ceiling mount
DWC-DSCM

Wall mount
DWC-DSWM

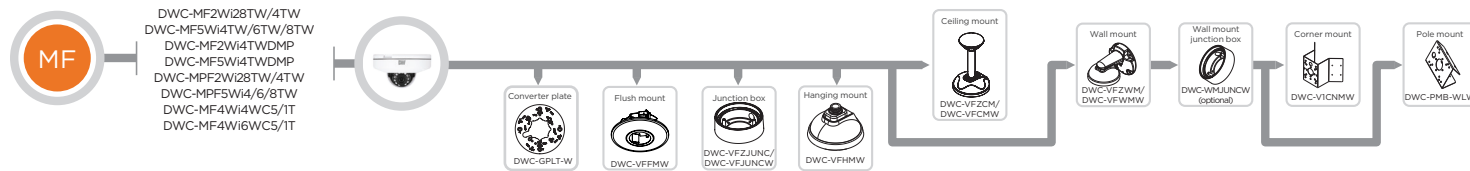Junction box
DWC-WMJUNCW
(optional)

Corner mount
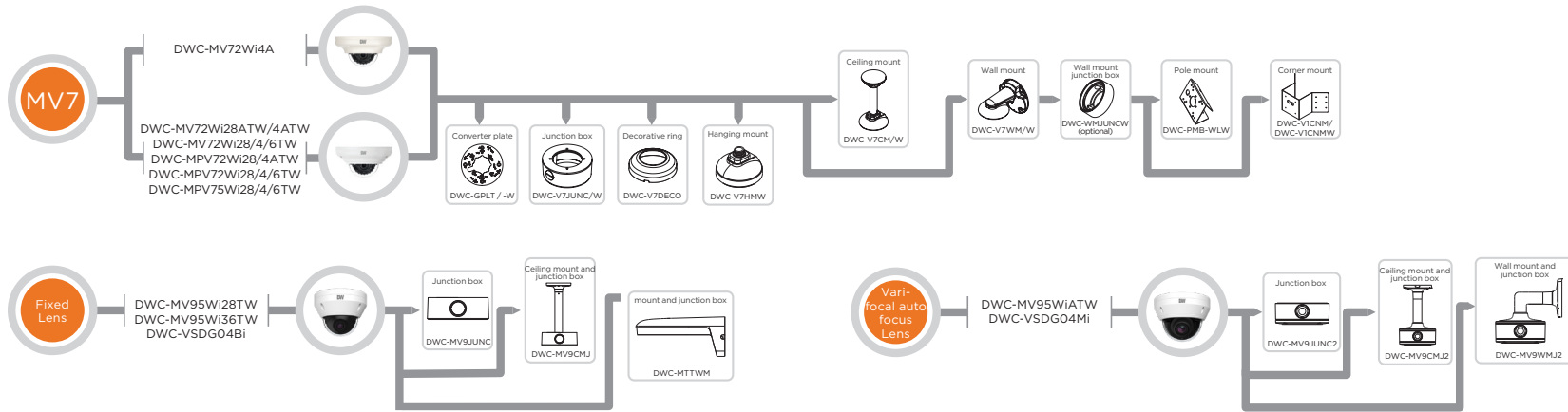DWC-V1CNMW

Corner mount
DWC-PMB-WLW

Camera accessories

Vandal fisheye cameras

PVF

DWC-PVF5M1TiRWC5/1T
DWC- PVF5Di1TW
DWC- PVF9Di2TW
DWC- PPVF5Di1TW
DWC- PPVF9Di2TW

Converter plate
DWC-GPLT-W

Junction box
DWC-VFZJUNC/
DWC-VFJUNCW

Hanging mount
DWC-VFHMW

Ceiling mount
DWC-VFZCM/
DWC-VFCMW

Wall mount
DWC-VFZWM/
DWC-VFWMW

Wall mount junction box
DWC-WMJUNCW
(optional)

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNM/
DWC-V1CNMW

Vandal dome cameras

MV8

DWC-MV82DiVT

DWC-MV82WiATW
DWC-MV85WiATW
DWC-MPV82WiATW
DWC-MPV85WiATW
DWC-MV84WiAWC1T/5

Converter plate
DWC-GPLT-W

Flush mount
DWC-VFFMW

Junction box
DWC-VFZJUNC/
DWC-VFJUNCW

Hanging mount
DWC-VFHMW

Ceiling mount
DWC-VFZCM/
DWC-VFCMW

Wall mount
DWC-VFZWM/
DWC-VFWMW

Wall mount junction box
DWC-WMJUNCW
(optional)

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

MV4

DWC-MV45WiATW
DWC-MPV45WiATW

Converter plate
DWC-GPLT-W

Hanging mount
DWC-V4HMW

Ceiling mount
DWC-V4CMW

Wall mount
DWC-V4WMW

Wall mount junction box
DWC-WMJUNCW
(optional)

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNMW

MVC

DWC-MVC8WiATW
DWC-MVC8Wi28TW
DWC-MPVC8WiATW
DWC-MPVC8Wi28TW
DWC-XSDE08Mi
DWC-XSDE05Mi

Converter plate
DWC-GPLT-W

Flush mount
DWC-VFFMW

Junction box
DWC-VFZJUNC/
DWC-VFJUNCW

Hanging mount
DWC-VFHMW

Ceiling mount
DWC-VFZCM/
DWC-VFCMW

Wall mount
DWC-VFZWM/
DWC-VFWMW

Wall mount junction box
DWC-WMJUNCW
(optional)

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

MF

DWC-MF2Wi28TW/4TW
DWC-MF5Wi4TW/6TW/8TW
DWC-MF2Wi4TWDMP
DWC-MF5Wi4TWDMP
DWC-MPF2Wi28TW/4TW
DWC-MPF5Wi4/6/8TW
DWC-MF4Wi4WC5/1T
DWC-MF4Wi6WC5/1T

Converter plate
DWC-GPLT-W

Flush mount
DWC-VFFMW

Junction box
DWC-VFZJUNC/
DWC-VFJUNCW

Hanging mount
DWC-VFHMW

Ceiling mount
DWC-VFZCM/
DWC-VFCMW

Wall mount
DWC-VFZWM/
DWC-VFWMW

Wall mount junction box
DWC-WMJUNCW
(optional)

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

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Vandal dome cameras

MV7

DWC-MV72Wi4A

DWC-MV72Wi28ATW/4ATW
DWC-MV72Wi28/4/6TW
DWC-MPV72Wi28/4ATW
DWC-MPV72Wi28/4/6TW
DWC-MPV75Wi28/4/6TW

Converter plate
DWC-GPLT / -W

Junction box
DWC-V7JUNC/W

Decorative ring
DWC-V7DECO

Hanging mount
DWC-V7HMW

Ceiling mount
DWC-V7CM/W

Wall mount
DWC-V7WM/W

Wall mount junction box
DWC-WMJUNCW (optional)

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNM/ DWC-V1CNMW

Fixed Lens

DWC-MV95Wi28TW
DWC-MV95Wi36TW
DWC-VSDG04Bi

Junction box
DWC-MV9JUNC

Ceiling mount and junction box
DWC-MV9CMJ

mount and junction box
DWC-MTTWM

Vari-focal auto focus Lens

DWC-MV95WiATW
DWC-VSDG04Mi

Junction box
DWC-MV9JUNC2

Ceiling mount and junction box
DWC-MV9CMJ2

Wall mount and junction box
DWC-MV9WMJ2

Turret cameras

Vari-focal Lens

DWC-MT95WiATW
DWC-VSTB04Mi

Junction box
DWC-MT9JUNC2

Ceiling mount and junction box
DWC-MT9CMJ2

Wall mount
DWC-MTTWM2

Fixed Lens

DWC-MT95WW28TW
DWC-MT95Wi28TW
DWC-MT95Wi36TW
DWC-VSTB04Bi

Junction box
DWC-MT9JUNC

Ceiling mount and junction box
DWC-MT9CMJ

Wall mount
DWC-MTTWM

Pan, tilt, zoom dome camera

DWC-MPTZ336XW

Parapet mount
DWC-P336PARAMW

Ceiling mount
DWC-P336CMW

Wall mount
DWC-P336WMW

Corner / pole mount
DWC-P336CNMW

DWC-MPTZ230XW

Flush mount
DWC-P230FMW

Ceiling mount
DWC-P230WMW

Wall mount
DWC-P230WMW

Corner mount
DWC-V1CNMW

Pole mount
DWC-PMB-WLW

ATM pinhole camera

M(P)PH

DWC-MPH2W28TW
DWC-MPPH2W28TW

Corner enclosure
DWC-PHCENW

SiteWatch™
Perimeter Protection by DW®

Complement your surveillance system with motion detectors and illuminators.

SiteWatch motion detectors and 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

Illuminators 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 LEDs with advanced, current limited and integral control circuitry
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 09-rated impact-resistant

Motion detector 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.™

Illuminators 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

NDAA/TAA
COMPLIANT PRODUCT

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 PRODUCT
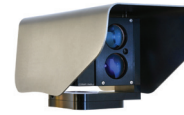
SPECIFICATIONS	DW-DTLA500
Field of application	Outdoor surveillance and monitoring
Alarm zones	Up to 20 fully adaptable zones, each zone has individual alarm sensitivity settings and alarm actions.
Alarm actions	Network alarm, relay. Easy direct integration with IP to VMS, enabling PTZ control, automatic 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 PRODUCT

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	

Motion Detection Accessories:

DW-DTWMDTLA5
Mounting bracket

DW-DTWT
Walk tester

DW-DTCAW
Conduit adaptor

DW-DTPM
Pole mount bracket

SiteWatch™
### Perimeter Protection by DW®

An ideal, standalone audio solution, scalable and flexible approach to system design.

The outdoor IP speaker is a robust, IP-enabled audio device that helps to proactively deter crime by enabling the speaker to respond to events in real time with automated and manual voice alerts.

Audio for deterrence

Combine DW's horn speaker with video and alarm systems to create deterrence and prevent crime or damage to your property.
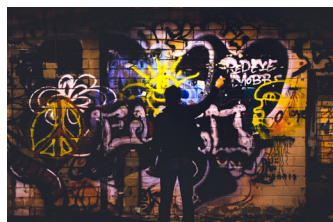
Audio for operations

A cost-effective solution for delivering non-emergency messages to public areas.

Audio for safety

Deliver up-to-the-minute information and guide the public and your workforce in emergencies.

Speaker Features:

- All-in-one IP speaker system
- Compatible with IP cameras via DW Spectrum IPVMS
- Compatible with VoIP devices (IPPBX, IP Phone) via SIP
- Support pre-recorded messages, live responses, alarms and background music
- Schedule audio alerts
- Support HPPT API for alarm-in transmit
- Web server built-in
- ONVIF conformant
- PoE Class 3 and DC12V-24V
- Wall mount bracket included
- IP67 dust-tight and waterproof to 3 feet
- 2 year warranty

Manage with DW Spectrum IPVMS

DW's horn speaker can be managed and controlled entirely from the DW Spectrum client interface.

DW spectrum® IPVMS
Complete Scalable Video Management

SPECIFICATIONS	DW-SWS15
Codec	OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA 8 kHz
Max SPL	113dB
Frequency response	300Hz-8KHz
Frequency range	500-2KHZ +-10dB 400-12KHZ +-20dB
Harmonic distortion	0.1@1kHz
Signal to noise ratio	91dB
Amplifier	Built-in 15W amplifier
Security	Password protection, IP address filtering, digest authentication, user access log, firewall
Network protocol	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP
Network interface	10/100 Base-TX, RJ45
VoIP	Support for SIP protocol for integration with VoIP systems, integrated with SIP/PBX. 2 SIP accounts, SIP direct IP call, RTP multicast Codec: OPUS, MP3, G.722, PCMU, PCMA
Operating temperature	-22°F ~ 140°F (-30°C ~ 60°C)
Operating humility	5%-85%
Material	ABS (IP67-rated)
Rate power	15W
Power supply	PoE or 12-24V
Installation	Wall-mounted (wall mount bracket included)
Dimensions	8.85" x 6.49" x 9.44" (225 x 165 x 240mm)
Net weight	2.86 lbs (1.3 kg)
Warranty	2 years

Network appliances

Compressor™
Analog to IP Video Encoder

The easiest transition from analog to IP.

TAA COMPLIANT PRODUCT

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

Place a public view monitor anywhere.

NDAA/TAA COMPLIANT PRODUCT

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"	

Blackjack® NAS™
Network Attached Storage

Added storage for any solution.

NDAA/TAA COMPLIANT PRODUCT

PART NUMBER	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

Applications to manage your system remotely

	C3 CMS	DW Mobile Plus™ app	DW Witness app	DW Spectrum mobile app	DW Site Viewer for Apple TV
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 cameras launched in 2023 and onward

Model	Technology class	Camera/sensor type	Housing type	Case	Resolution	Focal length	LED built-in	CaaS storage/ ANPR (optional)
DWC-	C: MEGApix CaaS M: MEGApix Non-Ai V: MEGApix V-Class X: MEGApix Ai	D: Dual-sensor F: Fisheye M: Multi-sensor P: PTZ S: Single-sensor	B: Bullet C: Covert D: Dome T: Turret	A~Z: For internal use	02: 2MP/1080p 04: 4MP 05: 5MP 08: 8MP/4K 09: 9MP 10: 10MP 20: 20MP 21: 21MP 48: 48MP	A: 1 ~ 1.9 B: 2 ~ 2.9 C: 3 ~ 3.9 D: 4 ~ 4.9 E: 5 ~ 5.9 F: 6 ~ 6.9 G: 7 ~ 7.9 H: 8+ V: Vari-focal (manual) M: Vari-focal (motorized zoom and auto focus)	F: Flash LED i: IR N: Natural W: White LED	A: SSD 512GB B: SSD 1TB C: SSD 2TB L: ANPR M: MMCR 1: 512GB 2: 1TB
DWC-	V	S	T	B	04	B	i	---
DWC-	X	S	D	E	08	M	i	---

Example 1: DWC-VSTB04Bi = MEGApix V-Class, single-sensor turret camera, 4MP, 2.8mm fixed lens, IR built-in.
Example 2: DWC-XSDE08Mi = MEGApix Ai, single-sensor dome camera, 4K, vari-focal lens with motorized zoom and auto focus, IR built-in.

IP cameras launched before 2023

Model	Technology	Housing type	Case	Resolution	WDR	IR	Lens	Special 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-MPF2Wi4TW= MEGApix IVA+ ultra low-profile vandal dome, 2.1MP/1080p, true WDR, IR built-in, 4.0mm fixed lens, triple codec, white housing.
Example 2: DWC-MV84WiA = MEGApix low-profile vandal dome, 4MP, true WDR, IR built-in, vari-focal lens with remote zoom and auto focus.

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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

Complete HD over Coax™ Surveillance Solutions

4K ULTRA HD — Star-Light™ HD over Coax™ cameras

C3 — C3® CMS Command . Control . Communicate

VMAX® digital video recorders

SiteWatch™ perimeter protection appliances

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

Star-Light Plus™ true 90° view ball cameras

Built for Users.™

DW
DIGITAL WATCHDOG®

NDAA/TAA
COMPLIANT PRODUCT

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.

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.

RECORDERS

VMAX® A1 G4™

NDAA-compliant Universal HD over Coax® DVRs support HD-Analog and HD-TVI formats up to 4K.

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

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

Table of contents

C3CMS™

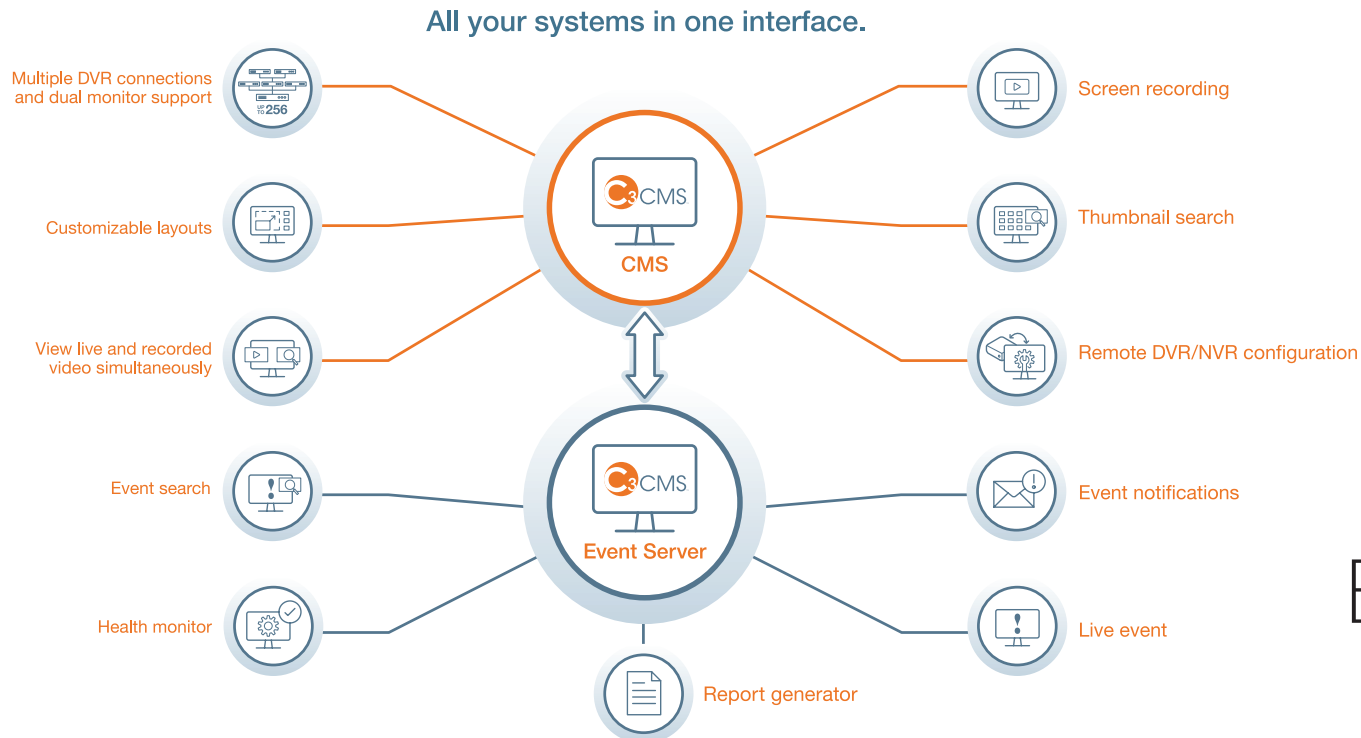## Command . Control . Communicate

All your systems in one interface.

The C3 is a remote management software suite for the VMAX series (VMAX A1 Plus, VMAX A1 G4, VMAX IP Plus and VMAX IP G4) 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® Apple MacOS

Manage and monitor your system from anywhere.

All your systems in one interface.

- Multiple DVR connections and dual monitor support
- Customizable layouts
- View live and recorded video simultaneously
- Event search
- Health monitor

CMS

Event Server

- Screen recording
- Thumbnail search
- Remote DVR/NVR configuration
- Event notifications
- Live event

Report generator

Built for Users.™

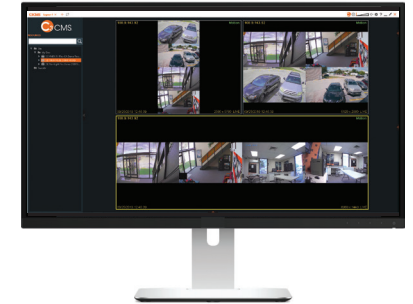# Remote management and event server software

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.

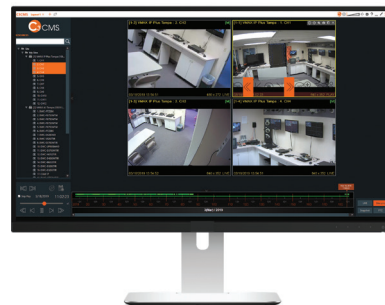## Screen recording.

C3 CMS allows you to record your own screen.

Thumbnail search.

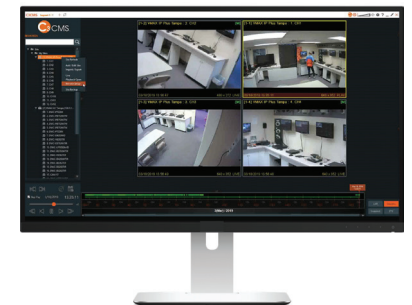Find video fast by clicking on thumbnails by the date, hour and minute.

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.

Digital video recorders

VMAX A1 G4
Universal HD over Coax® DVRs

Built for Users.™
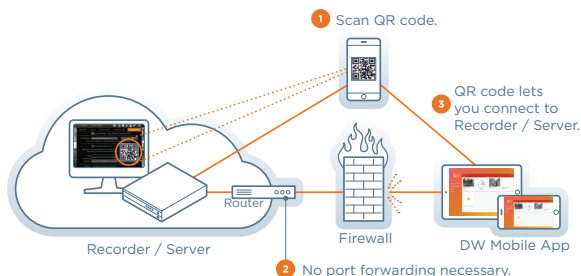
NDAA/TAA COMPLIANT PRODUCT

VMAX A1 G4 DVRs support HD-Analog and HD-TVI signals up to 4K*, and CVBS up to 960H.

The NDAA/TAA compliant DVRs offer a seamless upgrade to HD resolution for new ROI from existing coaxial infrastructure. The VMAX A1 G4 can record 4K* video and 2.1MP/1080p at real-time 30fps. Up the Coax (UTC) remote configuration is available with all compatible cameras. The VMAX A1 G4 DVRs are available in 4-, 8- and 16-channel models with up to 32TB of storage.

PathFinder™ auto port-forwarding.

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

1 Scan QR code.

3 QR code lets you connect to Recorder / Server.

Router

Recorder / Server

Firewall

DW Mobile App

2 No port forwarding necessary.

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.

Univeral HD over Coax®

16 CH 480 fps 16 Channels 480 Total fps

4K Up to 4K Recording

PathFinder™

4K Ultra HD Output

5 YEAR Limited Warranty

Features:

- Universal HD over Coax® DVR records HD-Analog, HD-TVI and standard coax up to 4K resolution
- Advanced H.265/H.264 Linux® embedded DVR
- 2.1MP/1080p real-time 30fps recording
- Up to 4K recording resolution at 7fps per channel (8- and 16-channel models)
- myDW® Cloud Management Services
- Event camera group recording
- Complete system analysis with real-time system and network status monitoring
- OSD and PTZ control via coax (UTC)
- Signal hybrid detects the camera signal automatically
- Up to 32TB internal storage

- Instant channel swap, no need to disconnect or reboot the DVR
- Mobile Application for iOS® and Android® devices and Apple TV®
- Snapshot Notify™: programmable interval snapshot email notifications
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- HDD calculation and auto-recording configuration
- Thumbnail search with hour and 1-minute previews
- 10-second jump buttons for playback and fast forward

- Event notifications via email, C3 CMS and push notifications
- Compatible with DW® Spot™ Monitoring module for Public Views
- 8 audio inputs, 1 audio output
- 16 sensor inputs, 4 relay outputs
- Simple and free DDNS service
- Easy web-based client with multi-user access
- Help menu on major functions
- Auto and manual firmware upgrades
- NDAA compliant
- TAA compliant
- 5 year limited warranty

* See data sheets for specifications per product.

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NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DW-VA1G44xT	DW-VA1G48xT	DW-VA1G416xT
Signals supported		Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP	Standard analog signal up to 960H, HD-Analog and HD-TVI up to 4K	
Input video		4 channels	8 channels	16 channels
Video live	Frame rate	1-30fps, max 120fps total	1-30fps, max 240fps total	1-30fps, max 480fps total
Video output		True HD: 3840×2160 (4K), 2560x1440, 1920x1080, 1280x1024, 1024x768, 800x600 VGA: 1920x1080, 1280x1024, 1024x768, 800x600 Spot (CVBS): D1 (720x480) RTSP streaming		
Audio	Input	4 inputs	8 inputs	8 inputs
	Output	1 output	1 output	1 output
Alarm	Alarm input	4 inputs	8 inputs	16 inputs
	Alarm output	1 output	2 outputs	4 outputs
Operating system		Embedded Linux®		
Recording	Recording frame rate	---	4K (3840x2160): 56fps (7fps per channel)	4K (3840x2160): 112fps (7fps per channel)
		5MP (2560x1944): 48fps (12fps per channel)	5MP (2560x1944): 96fps (12fps per channel)	5MP (2560x1944): 192fps (12fps per channel)
		4MP/2K (2560x1440): 60fps (15fps per channel)	4MP/2K (2560x1440): 120fps (15fps per channel)	4MP/2K (2560x1440): 240fps (15fps per channel)
		3MP (1920x1536): 72fps (18fps per channel)	3MP (1920x1536): 144fps (18fps per channel)	3MP (1920x1536): 288fps (18fps per channel)
		Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 120fps (30fps per channel)	Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 240fps (30fps per channel)	Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 480fps (30fps per channel)
	Recording resolutions	Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP	Standard analog signal up to 960H, HD-Analog and HD-TVI up to 4K	
Storage	HDD interface	1x SATA HDD	2x SATA HDD	2x SATA HDD
	Max. internal storage	Up to 16TB	Up to 32TB	Up to 32TB
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	24W, 2A	48W, 4A	48W, 4A
Dimensions		11.81" x 9.8" x 1.77" (300 × 249 × 45 mm)	14.96" x 10.58" x 1.77" (380 x 268.8 x 45 mm)	14.96" x 10.58" x 1.77" (380 x 268.8 x 45 mm)

Universal HD over Coax

STAR-LIGHT PLUS™

Color in Darkness Universal HD over Coax® cameras

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

4K ULTRA HD

NDAA COMPLIANT PRODUCT

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.

MP RESOLUTION

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.

4k
5MP
4MP
2.1MP / 1080p
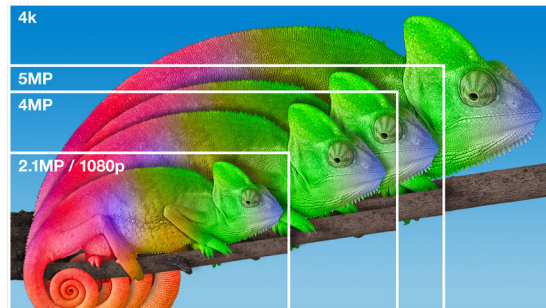
Star-Light Plus color in darkness technology.

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-rated housing options*
- IK9/IK10-rated impact-resistant*
- 5 year warranty

* See data sheets for specifications per camera.

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4K cameras

NDAA COMPLIANT PRODUCT

Category	PART NUMBER	DWC-B6883WTIRW	DWC-B6853WTIRW	DWC-V6863WTIRW	DWC-D3853WTIRW	DWC-D3863WTIRW	DWC-D4883WTIRW	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)	0.1 lux (color)	0.09 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	3.6 ~ 10mm	2.8mm	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	Vari-focal p-iris lens	Fixed lens	Vari-focal p-iris 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	150ft range	100ft range	100ft range	100ft range	100ft range	70ft 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	Vandal dome	Indoor dome	Indoor dome	Snapit indoor 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	---	---	---	IK10-rated impact resistant	
	Other certifications	UL listed, FCC, CE, ROHS, NDAA compliant			FCC, CE, ROHS, NDAA compliant				
Electrical	Power requirements	DC12V/AC24V dual voltage	DC12V	DC12V/AC24V dual-voltage	DC12V	DC12V/AC24V dual-voltage			DC12V
	Power consumption	DC12V (LED off): 5.49W, 457mA DC12V (LED on): 8.34W, 692mA / AC24V (LED off): 4.95W, 346mA AC24V (LED on): 7.81W , 540mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.2W, 352mA	DC12V (LED off): 4.27W, 356mA DC12V (LED on): 6.98W, 582mA / AC24V (LED off): 3.96W, 290mA AC24V (LED on): 6.38W, 440mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.04W, 337mA	DC12V (LED off): 4.27W, 356mA DC12V (LED on): 6.98W, 582mA / AC24V (LED off): 3.96W, 290mA AC24V (LED on): 6.38W, 440mA	DC12V (LED off): 5.76W, 480mA DC12V (LED on): 7.92W, 660mA / AC24V (LED off): 6.49W, 429mA AC24V (LED on): 7.15W, 495mA	DC12V (LED off): 5.517W, 460mA DC12V (LED on): 8.98W, 748mA / AC24V (LED off): 5.06W, 358mA AC24V (LED on): 8.03W, 552mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.54W, 378mA
	Dimensions	9.92″ x 3.8″	8.83″ x 3.8″	5.7″ x 4.26″	4.72″ x 3.51″	4.72″ x 3.51″	4.24″ x 3.9″	4.92″ x 4.8″	4.92″ x 4.05″

Universal HD over Coax

5MP cameras

PART NUMBER		DWC-VA583WTIR	DWC-VA553WTIR	DWC-B6563WTIRW	DWC-B6563WTR650W	DWC-V6563WTIR	DWC-B7553WTIRW
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)	0.08 lux (color)	0.16 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	2.7 ~ 13.5mm	4.0mm
	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	Vari-focal with P-Iris lens	Fixed
	IR distance	80ft range	70ft range	100ft range	150ft range	100ft range	70ft 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	PELCO D / UTC / UTP built-in	UTC
	Alarm output	---	---	1 alarm output	1 alarm output	1 alarm output	---
	Housing	Vandal outdoor ball	Vandal outdoor ball	Outdoor vandal bullet	Outdoor vandal bullet	Vandal dome	Outdoor vandal bullet
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		UL listed, FCC, CE, ROHS, NDAA compliant			FCC, CE, ROHS, NDAA compliant
Electrical	Power requirements	DC12V/AC24V dual voltage	DC 12V	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V
	Power consumption	DC12V (LED off): 4.36W, 363mA DC12V (LED on): 7.6W, 638mA AC24V (LED off): 4.5W, 278mA AC24V (LED on): 6.27W, 456mA	DC12V (LED off): 1.89W, 157mA DC12V (LED on): 4.26W, 355mA	DC12V (LED off): 3.3W, 275mA DC12V (LED On): 5W, 420mA AC24V (LED Off): 2.86W, 119mA AC24V (LED on): 4.4W, 183mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 6.2W, 531mA AC24V (LED off): 2.86W, 220mA AC24V (LED on): 5.6W, 390mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA AC24V (LED off): 2.75W, 200mA AC24V (LED on): 5.3W , 360mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 3.9W, 333mA
	Dimensions	5.7" x 4.26"	5.7" x 4.26"	8.83" x 3.81"	9.92" x 3.8"	5.7" x 4.26"	6.41" x 2.65"

|	5MP cameras				LPR camera	PTZ camera
DWC-D3563WTIR	DWC-D4583WTIR	DWC-MC553WTIR	DWC-V7553WTIR	DWC-V7553W	DWC-LPR650UW	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		UL listed, CE, FCC, ROHS, NDAA compliant			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 AC24V (LED off): 2.75W, 200mA AC24V (LED on): 5.3W , 360mA	DC12V (LED off): 4.62W, 385mA DC12V (LED on): 7.13W, 595mA AC24V (LED off): 3.96W, 280mA AC24V (LED on): 6.5W , 410mA	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, AC24V: 5.7W, 475mA	Auto focus working: max. 12W, 1A
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

NDAA COMPLIANT PRODUCT
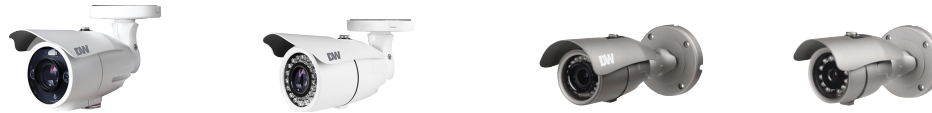
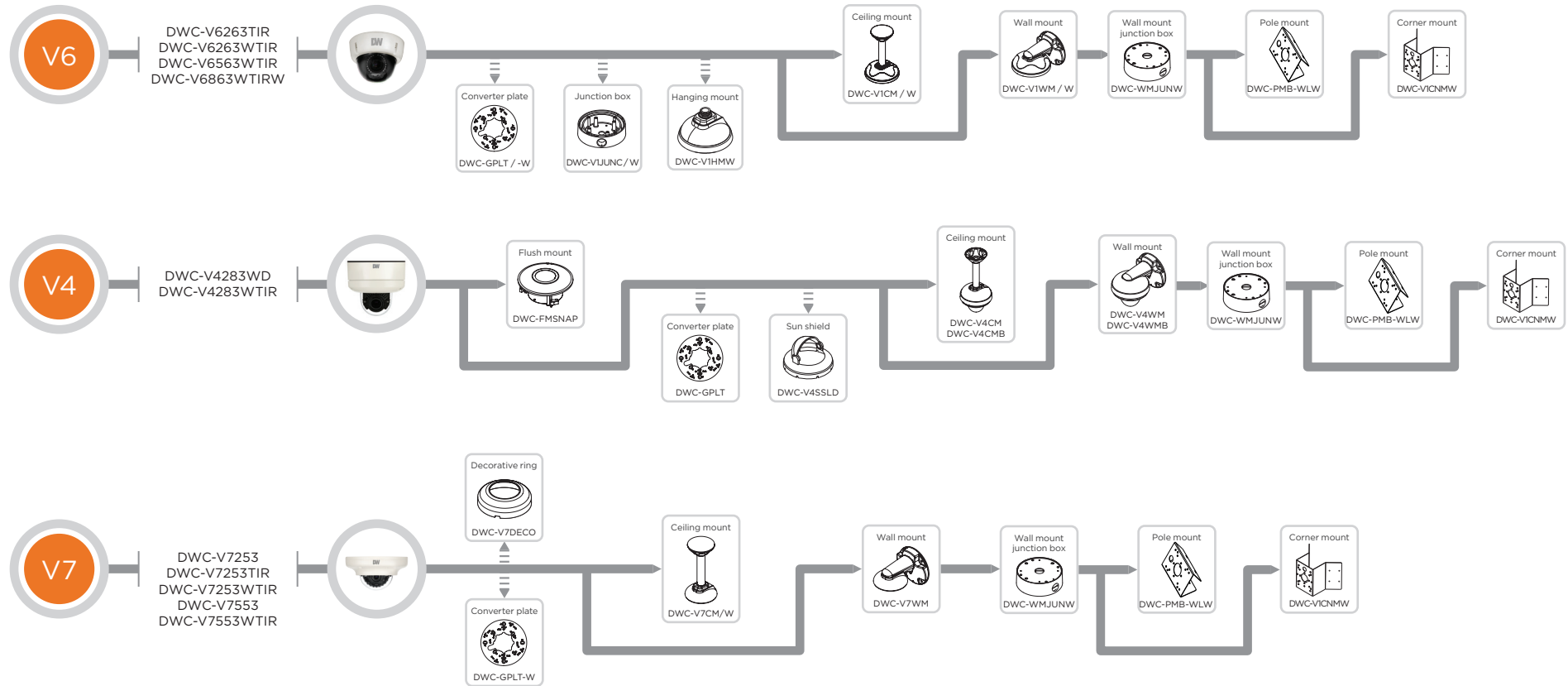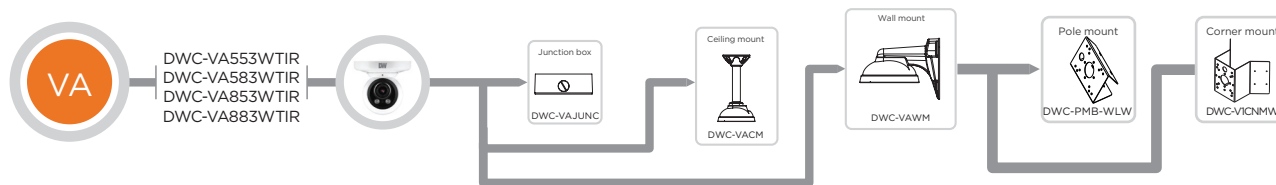|		Universal HD over Coax cameras				Snapit™ cameras	
PART NUMBER		DWC-B6263WTIR	DWC-B6263WTIR650	DWC-B6263TIR	DWC-B7753TIR	DWC-D4283WD / DWC-V4283WD	DWC-D4283WTIR / DWC-V4283WTIR
Image	Image sensor	2.1MP/1080p 1/3" CMOS					
	Signal technology	HD-analog, HD-TVI, HD-CVI and CVBS					
	Effective pixels	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)	0.41 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		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		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		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	UL listed, CE, FCC, ROHS, NDAA compliant				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 (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: 2.3W	AC24V (LED off): 2.3W AC24V (LED on): 4.6W
	Dimensions	8.83" x 3.8"	9.92" x 3.8"	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-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)	0.2 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) (DWC-V7253TIR)
2.1MP/1080p at 30fps					
2.8 ~ 12mm	2.8 ~ 12mm	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	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	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	UL listed, FCC, CE, ROHS, NDAA compliant		FCC, CE, ROHS, NDAA compliant	UL listed, 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) : 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″	4.13″ x 2.39″	4.72″ x 3.52″	5.7″ x 4.26″	4.13″ x 2.39″

Camera accessories

Outdoor dome cameras

V6

DWC-V6263TIR
DWC-V6263WTIR
DWC-V6563WTIR
DWC-V6863WTIRW

Converter plate
DWC-GPLT / -W

Junction box
DWC-V1JUNC/W

Hanging mount
DWC-V1HMW

Ceiling mount
DWC-V1CM / W

Wall mount
DWC-V1WM / W

Wall mount junction box
DWC-WMJUNW

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNMW

V4

DWC-V4283WD
DWC-V4283WTIR

Flush mount
DWC-FMSNAP

Converter plate
DWC-GPLT

Sun shield
DWC-V4SSLD

Ceiling mount
DWC-V4CM
DWC-V4CMB

Wall mount
DWC-V4WM
DWC-V4WMB

Wall mount junction box
DWC-WMJUNW

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNMW

V7

DWC-V7253
DWC-V7253TIR
DWC-V7253WTIR
DWC-V7553
DWC-V7553WTIR

Decorative ring
DWC-V7DECO

Converter plate
DWC-GPLT-W

Ceiling mount
DWC-V7CM/W

Wall mount
DWC-V7WM

Wall mount junction box
DWC-WMJUNW

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNMW

Vandal ball cameras

VA

DWC-VA553WTIR
DWC-VA583WTIR
DWC-VA853WTIR
DWC-VA883WTIR

Junction box
DWC-VAJUNC

Ceiling mount
DWC-VACM

Wall mount
DWC-VAWM

Pole mount
DWC-PMB-WLW

Corner mount
DWC-V1CNMW

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Camera accessories

Pan, Tilt, Zoom dome cameras

DWC-PTZ220XW

Ceiling mount
DWC-P220CMW

Wall mount
DWC-P220WMW

Corner / pole mount
DWC-P336CNMW

Bullet cameras

B6
DWC-B6263WTIRW
DWC-B6263WTIR650W
DWC-B6563WTIRW
DWC-B6563WTIR650W

Junction box
DWC-BLJUNCW

Pole mount
DWC-PMB-WLW

LPR
DWC-LPR650UW

B7
DWC-B7553WTIRW

Junction box
DWC-B7JUNCW

B6
DWC-B6263TIR

Junction box
DWC-BLJUNC

Pole mount
DWC-PMB-WLW

Indoor dome cameras

D3
DWC-D3263TIR
DWC-D3263WTIR
DWC-D3563WTIR
DWC-D3863WTIRW

Wall mount
DWC-D1WM / W

Converter plate
DWC-GPLT / -W

D4
DWC-D4283WD
DWC-D4283WTIR
DWC-D4583WTIR
DWC-D4883WTIRW

Wall mount
DWC-D1WM / W

Converter plate
DWC-GPLT / -W

Compressor™
Analog to IP Video Encoder

The easiest transition from analog to IP.

TAA COMPLIANT PRODUCT

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)

DWspot™
MONITORING MODULE

Place a public view monitor anywhere.

NDAA/TAA COMPLIANT PRODUCT

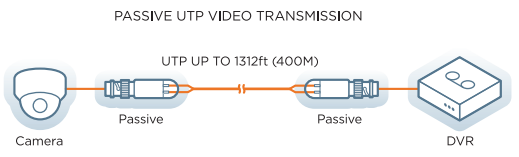| SPECIFICATIONS	DW-HDSPOTMOD	DW-HDSPOTMOD16
Operating system	Embedded Linux	
IP camera — Input	4 channels	16 channels
Display — Speed	Up to 120fps	Up to 480fps
Display — Screen mode	Single channel, quad view mode, sequence	Single channel, 16-Ch view mode, sequence
Video–in	IP cameras (up to 4K, 3840 x 2160 resolution), Universal HD over Coax® VMAX® A1™ DVRs or VMAX® IP Plus™ NVRs	
Video–out — Monitor	True HD and/or VGA	
Video–out — 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

UTP UP TO 1312ft (400M)

Camera — Passive — Passive — DVR

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	0.049 lbs

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.

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

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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

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