



IP PRODUCT QUICK REFERENCE GUIDE

REV: 04/24

Built for Users.™

- Video Management Software and Apps
- Ai Servers
- NVRs
- Ai IP Cameras
- CaaS All-in-One IP Cameras
- Specialty IP Cameras
- Network Appliances
- Perimeter Protection

NDAA/TAA
COMPLIANT PRODUCT

IP Products



SOFTWARE

DW Spectrum® IPVMS

An 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.



RECORDERS

Blackjack® Servers

Servers powered by DW Spectrum IPVMS provide unlimited scalability.

Blackjack® Ai Servers

Servers powered by DW Spectrum and DW Ai™ 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/TAA-compliant, full-featured, easy-to-use standalone PoE NVRs.



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 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 solution requires no server or NVR.



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 speakers upgrade any surveillance solution to the next level.

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Complete Scalable Video Management

DW Spectrum IPVMS

Complete, scalable video management for your business, DW Spectrum® IPVMS is an endlessly customizable IP video management platform that gives users the ability to create tailored network video solutions for any project for anyone to use on any device.



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 project or use by anyone on any device.

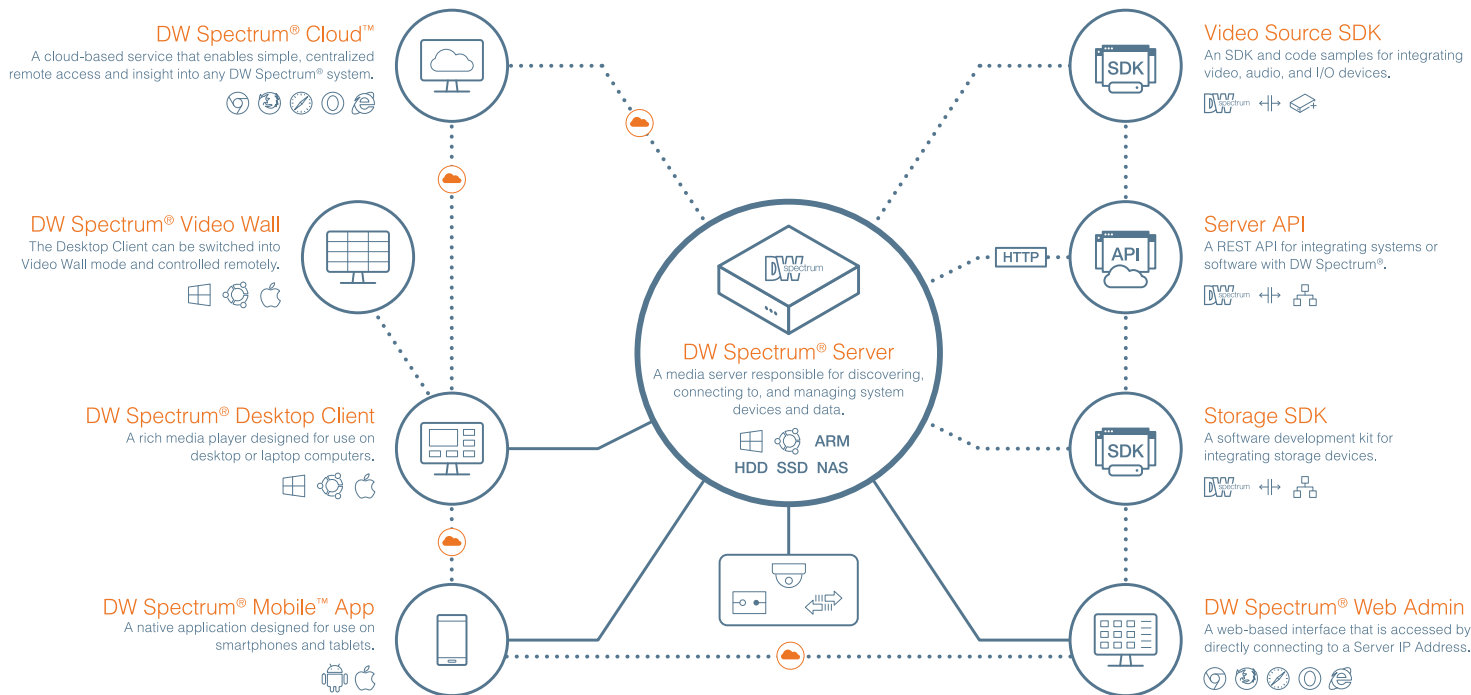


DW Cloud™: The DW Cloud service makes connecting to and managing DW Spectrum IPVMS systems simple. Set up in seconds. Connect from anywhere. Share with an unlimited number of users.



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

Complete Scalable Recoding Solutions



Dramatically Easier to Use Interface

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



Enterprise Features are Standard

DW Spectrum IPVMS includes many enterprise-level features with new capabilities and support being added regularly.



Part of an End-to-End IP Solution

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



Scalable to Thousand of Devices

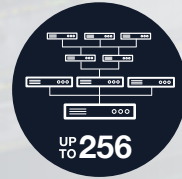
Scale up your system from a single-camera or CaaS system to a thousand-camera Blackjack system.



C3 CMS: All your systems in one interface.

Remote management software suite for the VMAX series recording solutions, providing a powerful and easy-to-use way to monitor the device from anywhere. C3 CMS provides actionable information in real-time.

SUPPORTED OPERATING SYSTEM:  Windows®  MacOS



Multiple NVR 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.

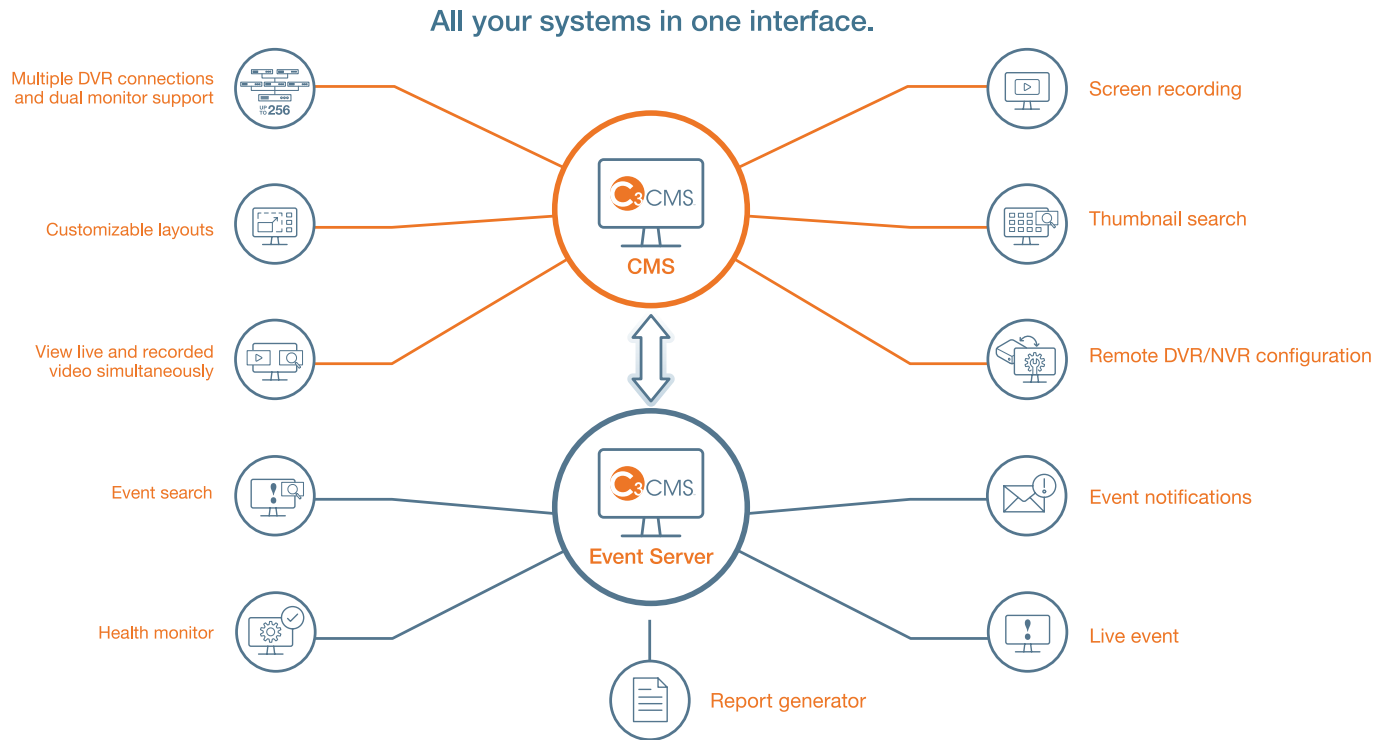


Customizable layouts with simultaneous live and recorded video views: The C3 CMS supports conventional gridline layouts, user-friendly panoramic, corridor or 2x2 views with live and recorded video on the same screen at the same time.



Free to download; No maintenance fees: C3 CMS is completely free to download, update and use. There are no hidden fees, no licenses and no subscriptions.

Remote Management and Event Server Software



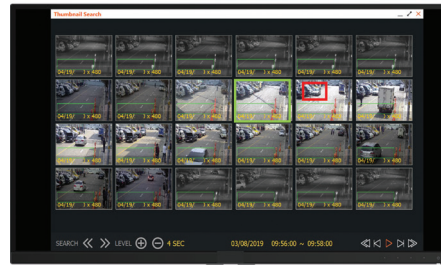
Screen Recording

C3 CMS allows you to record your screen.



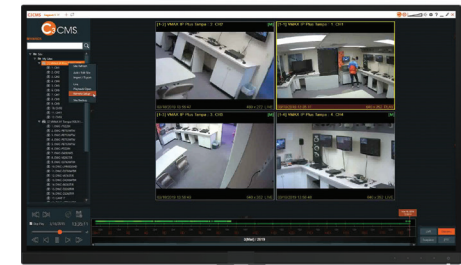
Thumbnail Search

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



Remote NVR Configuration

Remotely configure NVR settings and firmware upgrades.



VMAX[®] ip G4[™]

NVRs with PoE built-in.

NDA/TAA-compliant PoE NVR with 4K video in a user-friendly standalone solution. VMAX IP G4 NVRs are easy-to-use PoE recorders that allow you to go from power up to monitoring in minutes!



Simple and safe: Complete the installation from power up to monitoring in minutes. The NVR's CCIP[™] system encryption protects your surveillance system from out-of-network attacks with a dual-encrypted RTSP stream from the camera.



4K with Local PoE: Record and manage single-sensor IP cameras at real-time 30fps up to 4K (3840×2160) with local power for up to 16 IP cameras via resident PoE switcher.



Mobile Apps: Access your system with PathFinder[™] Peer-to-Peer (P2P) remote connection or turn your phone into a security camera streaming video to the NVR via the DW Witness[™] app.

Network Video Recorders

NDA/TAA
COMPLIANT PRODUCT

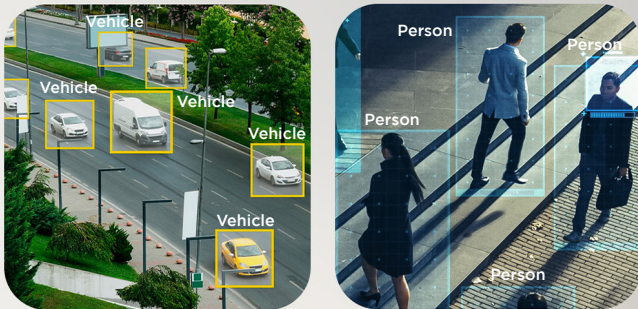


PART NUMBER		DW-VG416xT16P	DW-VG412xT8P	DW-VG49xT4P
Operating system		Embedded Linux		
Video compression		H.265, H.264		
System	Channel	16 channels PoE	8 channels PoE + 4 bonus channels	4 channels PoE + 5 bonus channels, 9
	No. of PoE	16-PoE channels, 1Gbps, 802.3at	8-PoE channels, 100Mbps, 802.3at	4-PoE 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 x 249 x 45 mm)
Warranty		5 year limited warranty		

DW AI Technology

Real-time object classification for intelligent video solutions.

Blackjack® Ai™ Servers and Appliances and MEGApix® Ai™ Cameras place the power of AI Deep Learning (DL) at your fingertips, with object detection and tracking. DW's AI technology detects only the objects you want, significantly reducing false alarms, conserving recording storage and enabling a more efficient monitoring solution.



Deep learning object detection



Intelligent Video Solutions

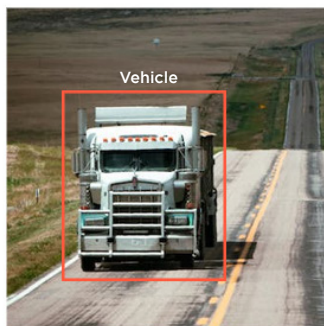
Accurate Object Classification

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

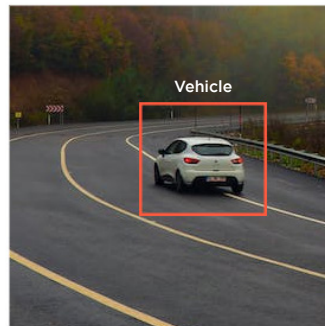


Deep Learning (DL)

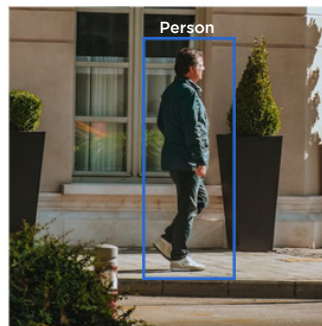
DW's Deep Learning engines perform object detection (DL Object tracker), automatically classifying the objects in the scene: people, cyclists, cars, buses and vans, trucks, motorcycles, bicycles and bags.



Trucks



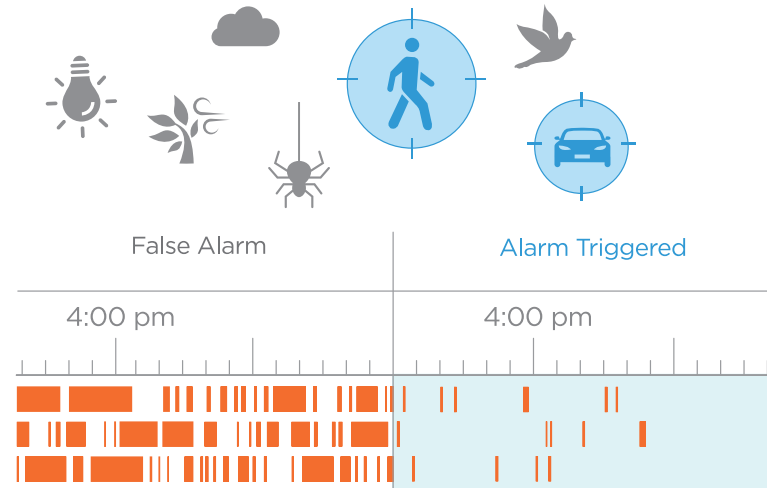
Cars



Humans

Reduce False Alarms

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



Easy Setup (No Manual Calibration)

DW Ai solutions process video, identify objects in the video (people, vehicles, and other items), and index them without the need for complicated calibration configuration and settings.



Blackjack Ai

Blackjack Ai server-side analytics.

Edge-based AI engine with real-time object classification for intelligent video solutions.



Blackjack Ai NVRs are DW Spectrum IPVMS servers with built-in server-side analytics that unlock advanced AI capabilities on any connected video stream.



All-in-One Device: Achieve lower deployment costs with a single device that performs as an NVR and an Analytics server.



Lower Total Cost of Ownership: Enjoy higher flexibility and scalability with a video recording solution enhanced with deep-learning video analytics in a single appliance for any camera network.

All-in-One NVR and Analytic Server

Blackjack Ai Rack™ servers

Blackjack Ai Tower™ servers

NDA/A/TAA
COMPLIANT PRODUCT



PART NUMBER		Blackjack Ai Rack with dual processors	Blackjack Ai Rack	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)	8 (2x DW-SPECTRUMLSC004)	4 (1x DW-SPECTRUMLSC004)	4 (1x DW-SPECTRUMLSC004)	
Included DW Ai Server Licenses		8 (2x DW-AiSLSC004)	8 (2x DW-AiSLSC004)	4 (1x DW-AiSLSC004)	4 (1x DW-AiSLSC004)	
Form factor		2U Rackmount	2U Rackmount	2U Rackmount	Full-size Tower	Mid-size Tower
Operating system	Windows 10 64 Bit	DW-BJAi2RxxT	DW-BJAiRxxT	DW-BJAiPxxTR	DW-BJAiTxTR	DW-BJAiMTxxT
	OS on SSD	2 x 240GB NVMe SSD (RAID1)	2 x 240GB NVMe SSD (RAID1)	480GB SSD	480GB SSD	
CPU		Dual XEON Gold 6248R	XEON Gold 6248R	Intel® i7 processor	Intel® i7 processor	
Memory		64GB	32GB	32GB	32GB	
Ethernet port		2x 10Gb SFP+, 2x 1Gb base-T	2x 10Gb SFP+, 2x 1Gb base-T	2x gigabit Ethernet ports (RJ45)	2x 1G Ethernet	
System	Max video storage rate (Mbps)	600Mbps	600Mbps	320Mbps	320Mbps	320Mbps
	Max # of analytic streams(secondary)	Up to 128	Up to 64	Up to 64	Up to 64	Up to 64
Storage	Maximum hard drives	8x HDD	8x HDD	6 x SATA HDD	6 x 3.5 SATA HDD, Hot-Swappable	3 x 3.5 SATA HDD
	Maximum storage	160TB	160TB	120TB	120TB	48TB
	RAID	OS RAID 1, Data RAID5	OS RAID 1, Data RAID5	RAID5	RAID5	---
Video-Out	Outputs	1x DisplayPort output, for system configuration	1x DisplayPort output, for system configuration	1x Display Port output, for system configuration	1x Display Port output, for system configuration	
	Video card	NVIDIA RTX A4000 16GB	NVIDIA RTX A4000 16GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB
Preloaded VMS software		DW Spectrum IPVMS				
Preloaded Analytic software		DW 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**	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)	41°F-104°F (5°C-40°C)
Dimension (WxDxH) (inches)		17.08" x 29.03" x 3.4"	17.08" x 29.03" x 3.4"	17.3" x 21.9" 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 warranty with next day on-site repair	5 year limited	5 year limited	5 year limited

* Available during initial order

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

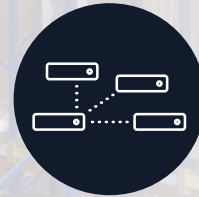
Designed and Commissioned in the U.S.A 



Blackjack Ai™

Blackjack Ai appliances with server-side analytics.

When paired with a DW Spectrum IPVMS system, Blackjack Ai Appliances combines machine learning and advanced computer vision algorithms to recognize objects and people in all connected video streams.



Blackjack Ai Appliances are ideal additions to DW Spectrum IPVMS systems looking to apply **AI Deep Learning (DL) to any video stream.**



Add AI DL to any Stream: Blackjack Ai appliances bring DW's Ai Server analytics and machine learning to any video stream, providing comprehensive video analytics in a user-friendly, scalable solution.



Industry-Level Hardware: Blackjack Ai appliances come in both desktop and rackmount solutions with next-generation processors and video cards, allowing users to deploy advanced analytics on up to 64 streams.

AI Analytics Appliances

Blackjack Ai Rack™ appliance

Blackjack Ai DX™ appliance



PART NUMBER		Blackjack Ai 2U Rack Mount Appliance	Blackjack Ai 2U Rack Mount Appliance	Blackjack Ai 2U Rack Mount Appliance	Blackjack Ai 2U Rack Mount Appliance	Blackjack Ai Slim Desktop Appliance
Included DW Spectrum IP licenses		---				---
Included DW Ai Server Licenses		4 channel(DW-AiSLSC004)				4 channel(DW-DWaiSLSC004)
Form factor		2U Rackmount	---	2U Rackmount	Full-size Tower	Slim Desktop
Operating system	Windows 10 IoT LTSC	DW-BJAiAR2PA4	DW-BJAiARA4	DW-BJAiAR2PA2	DW-BJAiARA2	DW-BJAiASL
	OS on SSD	2x 512GB M.2 (RAID1)	2x 512GB M.2 (RAID1)	2x 512GB M.2 (RAID1)	2x 512GB M.2 (RAID1)	480GB SSD
CPU		Dual Intel XEON Silver 4215R	Intel XEON Silver 4215R	Dual Intel XEON Silver 4215R	Intel XEON Silver 4215R	Intel® Core™ i7 processor
Memory		32GB	64GB	32GB	32GB	32GB
Ethernet port		4x 1G Ethernet ports				1 x 1Gb Ethernet, 1x 2.5Gb Ethernet
System	Max video storage rate (Mbps)	---	---	---	---	---
Storage	Max # of analytic streams(secondary)	Up to 64	Up to 32	Up to 48	Up to 24	Up to 64
	Maximum hard drives	---	---	---	---	---
	Maximum storage	---	---	---	---	---
	RAID	---	---	---	---	---
Video-Out	Outputs	1x Display Port, for system configuration		1x mini Display Port, for system configuration	1x mini Display Port, for system configuration	1x mini Display Port, for system configuration
	Video card	2x NVIDIA RTX A4000	NVIDIA RTX A4000	2x NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB
Preloaded VMS software		---	---	---	---	---
Preloaded Analytic software		DW Ai Server				---
Remote clients		Cross Platform - Windows, Linux Ubuntu and Mac				---
Mobile apps		---				---
Keyboard and mouse		Included				---
Rail kit		Included				---
Power supply		1100W redundant power supply**				300W**
Operating temperature		41°F-104°F (5°C-40°C)				41°F-104°F (5°C-40°C)
Dimension (WxDxH) (inches)		3.41" x 17.0" x 28.37" (29.78" with bezel)				7.46" x 15.7" x 14.21"
Warranty		5 year HW warranty with next day on-site repair after remote diagnosis				5 year limited

* Available during initial order

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



Blackjack[®]

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

DW's Blackjack servers are robust and user-friendly video management solutions, highly optimized to provide unlimited scalability, unmatched bandwidth savings and simplified system setup and management.



Blackjack servers come with **DW Spectrum IPVMS** pre-installed, along with four (4) or eight (8) complimentary recording licenses.



Blackjack servers come with no recurring charges or annual maintenance fees. All DW Spectrum software updates are 100% free. The servers come with a USB mouse, keyboard, and rail kit for an out-of-the-box solution that requires no additional purchases to complete the initial installation.



DW's mission-critical support is included at no extra cost for Blackjack Rack servers. The support includes a full-year warranty and next-business-day on-site response. Customers also keep their drive and data in case of an HDD replacement.

Servers and Workstations

NDA/TAA
COMPLIANT PRODUCT

Blackjack Rack™ servers



Blackjack P-Rack™ servers



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-BJPUxxT
	Windows Server	BJRR2YxxTLX	BJRR2XxxTLX	DW-BJRR2PxxTS	DW-BJRR2UxxTS	---	---	---
	Linux Ubuntu LTS	BJRR2YxxTS	BJRR2XxxTS	DW-BJRR2PxxTLX	DW-BJRR2UxxTLX	DW-BJPR2UxxT-LX	DW-BJP2UxxT-LX	DW-BJPUxxT-LX
	OS on SSD	2 x 240GB NVMe SSD (RAID1)		2 x 480GB NVMe SSD (RAID1)		150GB SSD	150GB SSD	
CPU		2x Intel® Xeon® Silver processors			1x Intel® Xeon® Silver processor	Intel® i7® processor		Intel® i5® 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 1G Ethernet Onboard 4 x 1G Ethernet on Expansion Board		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	520TB	360TB	240TB		120TB	120TB	60TB
		OS RAID 1, Data RAID5, RAID6	OS RAID 1, Data RAID5, RAID6	OS RAID 1, Data RAID5, RAID6		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 Quadro		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 800W 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"		18.97" x 28.4" x 3.41"		17.3" x 21.9" x 3.5"	17.3" x 21.9" x 3.5"	17.1875 x 20.065" x 1.75"
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.

Blackjack Tower™ servers

Blackjack Tower™ workstations

NDA/TAA
COMPLIANT PRODUCT



PART NUMBER		Blackjack Tower full-size w/RAID	Blackjack Tower full-size	Blackjack Tower™ monitoring station	Blackjack Tower monitoring station
Included IP licenses		4	4	---	---
Form factor		Tower full-size	Tower full-size	Tower mid-size	Tower mid-size
Operating system	Windows 10 64 Bit	DW-BJTR715xxT/ DW-BJTR716xxT	DW-BJT71xxT	DW-BJMTC7404T	DW-BJMTC5204T
	Windows Server	DW-BJTR715xxTS/ DW-BJTR716xxTS	---	---	---
	Linux Ubuntu	DW-BJTR715xxTLX/ DW-BJTR716xxTLX	DW-BJT71xxTLX	---	---
	OS on SSD	240GB SSD	240GB SSD	240GB SSD	240GB SSD
CPU		Intel® i7 processor	Intel® i7 processor	Intel® i7 processor	Intel® i5 processor
Memory		16GB	16GB	32GB	16GB
Ethernet port		2x 1G Ethernet	2x 1G Ethernet	1 x 1G Ethernet	1 x 1G Ethernet
System	Max video storage rate (Mbps)	RAID5: 600Mbps RAID6: 420Mbps	600Mbps	---	---
Storage	Maximum hard drives	7 x HDD	7 x HDD	---	---
	Maximum storage	140TB RAID5, RAID6 options	140TB ---	---	---
Video-Out	Outputs	1x true HD, 1x DVI, 1x DP outputs for setup and configuration. 1 output at a time.		Four outputs with DP and True HD	Four outputs with DP and True HD
	Video card	Onboard Intel Graphics	Onboard Intel Graphics	NVIDIA RTX	NVIDIA GTX
	Resolution	---	---	7680x4320	7680x4320
Preloaded VMS software		DW Spectrum IPVMS	DW Spectrum IPVMS	DW Spectrum IPVMS client only	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	Included
Rail kit		---	---	---	---
Power supply		500W**	500W**	500W**	300W**
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)		8.6" x 19.12" x 16.83"	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	5 year limited

Servers and Workstations

Blackjack DX™ Series

Blackjack CX™ PoE-enabled NVR



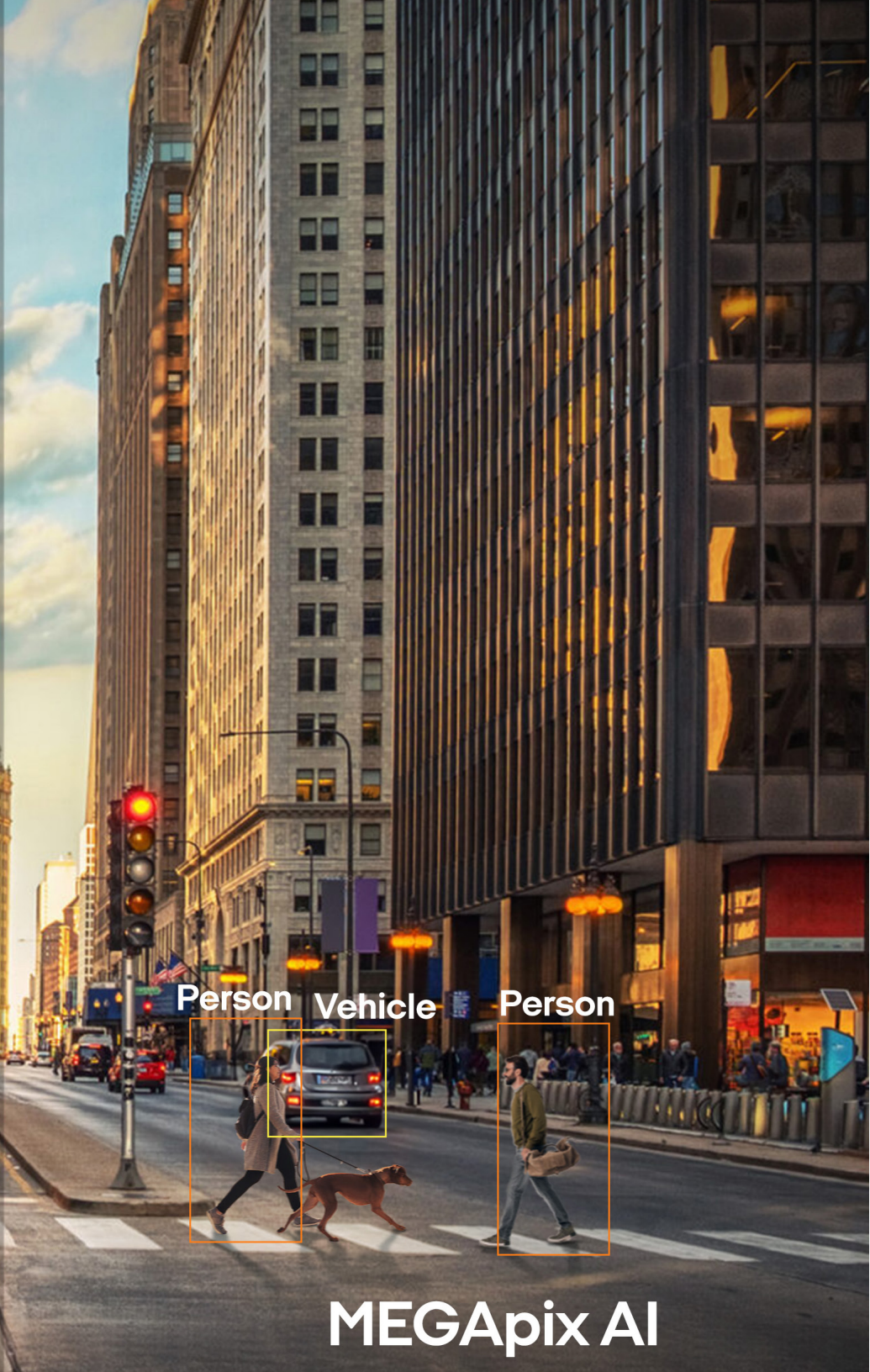
Blackjack DX 7 slim desktop	Blackjack DX 5 slim desktop	Blackjack DX 3 slim desktop	Blackjack DX 1 slim desktop	Blackjack CX
4				4
Slim desktop				PoE NVR
DW-BJDX71xxT	DW-BJDX51xxT	DW-BJDX31xxT	---	---
---	---	---	---	---
---	DW-BJDX51xxT-LX	DW-BJDX31xxT-LX	DW-BJDX11xxT-LX	DW-BJCxxT-LX
m.2 SSD			---	m.2 SSD
Intel® i7 processor	Intel® i5 processor	Intel® i3 processor	Intel® Celeron processor	Intel® Celeron processor
16GB	16GB	8GB	8GB	8GB
1x 1G Ethernet (RJ45), 1x 2.5G Ethernet (RJ45)			2x 1G Ethernet ports (RJ45)	2x 1G 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 3.5 SATA HDD				2x 3.5" SATA HDD
40TB				40TB
---				---
1x true HD, 1x DP for system configuration. 1 display output at a time.			1x true HD, 1x DVI-D, 1x D-Sub for system configuration. 1 display output at a time.	1x true HD, 1x DVI-I for system configuration. 1 display output at a time.
Onboard Intel HD Graphics				---
True HD: 4096x2160@60Hz, 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

* Available during initial order

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



Non-AI



Person Vehicle Person

MEGApix AI

The logo for MEGAPIX Ai features the word "MEGAPIX" in a bold, black, sans-serif font. Above the "I" in "PIX" are four small squares in yellow, orange, and red. To the right of "MEGAPIX" is the word "Ai" in a large, orange, sans-serif font with a registered trademark symbol (®) to its upper left.

MEGAPIX[®] Ai

The logo for DW consists of the letters "DW" in a large, bold, orange, sans-serif font, set against a dark, textured rectangular background.

DW

MEGApix Ai edge-side analytics.

An edge-based Ai engine with real-time object classification for intelligent video solutions.



Ai cameras are ideal solutions for applications looking to **add AI Deep Learning (DL) in a few locations**, recorded and managed from a centralized DW Spectrum IPVMS solution.



Lightning-Fast Analytics: DW's edge-Ai engine places the processing power as close to the source as possible, applying the analytics to the video on the spot rather than once it arrives on the server, speeding up response time, increasing efficiency and reducing overall cost.



Reduce Network and Storage Burden: Deploying powerful analytics at the edge means that only the most relevant information is sent across the network, reducing the burden on bandwidth and storage. Deploying edge-side analytics allows the video to be analyzed in high quality.

4K cameras



Dual-sensor camera



White light and red/blue alarm

WHITE LIGHT TECHNOLOGY

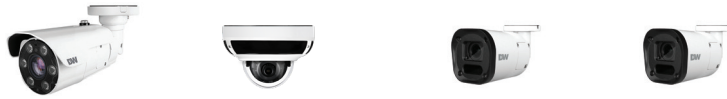


PART NUMBER		DWC-XSDE08Mi	DWC-XSBA08Mi	DWC-XSBJ08Mi	DWC-XSDJ08Mi	DWC-XSBC08Bi	DWC-PDS10Wi28A <small>*Ai plugin on 1 CH only</small>	DWC-XSTD05MF	DWC-XSDE05Mi	
Image	Image sensor	4K 1/2.8" Star-Light Plus CMOS sensor					4K 1/1.8" Star-Light Plus CMOS	2x 5MP 1/2.8" Star-Light Plus CMOS	5MP 1/2.8" Star-Light Plus CMOS sensor	
	Total pixels	3864(H) x 2228(V)					3856(H) x 2200(V)	2x 2704(H) x 2104(V)	2608(H) x 1984(V)	2704(H) x 2104(V)
	Minimum scene illumination	0.09 lux (color) 0 lux (B/W)		0.09 lux (color) 0 lux (B/W)		0.15 lux (color) 0 lux (B/W)	0.13 lux (color) 0 lux (B/W)	0.03 lux (color) 0 lux (White light)	0.08 lux (color) 0 lux (B/W)	
Audio input/ output		1 microphone built-in, 1 line out	1 line in, 1 line out	1 microphone built-in, 1 line in, 1 line out		1 line in, 1 line out	1 microphone built-in/1 line out	1 microphone built-in/1 speaker built-in	1 line in, 1 line out	
Lens	Focal length	2.7-13.5mm		2.7-13.5mm	2.7-13.5mm	2.3mm	2x 2.8mm	2.7-12mm	2.7-13.5mm	
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus		Vari-focal p-iris lens with motorized zoom and auto-focus		Ultra-wide angle lens	Fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus		
	IR distance	100ft range	140ft range	110ft range	110ft range	100ft range	60ft range	90ft range white light	100ft range	
	Angle of view	33.1°-90.3°	33.1°-90.3°	33.1°-90.3°	33.1°-90.3°	175°	2x 102.4°	31.5°-89.9°	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						True D/N	Color only	True D/N
	Privacy zones	16 privacy masks					---	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	1 alarm input	1 alarm input	1 alarm input	1 alarm input
Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	
Network	Video compression	H.265, H.264, MJPEG								
	Frame rate	30fps at all resolutions								
	Streaming capability	Simultaneous triple streaming								
	Onboard storage	Micro SD / SDHC / SDXC (card not included)								
	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	Wide-angle bullet	Dual-sensor vandal dome	Vandal ball turret	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), ColdStart -40°F on DC only	-4°F - 122°F (-20°C - 50°C)		
	IP rating	IP67-rated						IP67-rated		
	IK rating	IK 10-rated impact-resistant					IK 10-rated impact-resistant	IK 10-rated impact-resistant		
	Other certifications	FCC, CE, UL-listed, NDA A compliant, TAA compliant						FCC, CE, UL-listed, NDA A compliant, TAA compliant		
Electrical	Power requirements	DC12V, PoE, PoE adapter not included								
	Power consumption	DC12V: 10.2W, 850mA PoE: 12.5W, 260mA	DC12V: 13.2W, 1.1A PoE: 14.8W, 0.308mA	DC: max 13.1W, 1.09A PoE: max 15.0W, 312.5mA		DC12V: max 21.9W, 1.83A PoE: max 9.2W, 190mA	12V DC: 9.9W, 826mA PoE: 11.6W, 241mA	12V DC: 12W, 1A PoE: 15.8W, 329.1mA	12V DC: 12W, 1A PoE: 15.8W, 329.1mA	
Mechanical	Dimensions	4.92" x 3.62"	12.2" x 3.81"	11.37" x 5.78"	5.74" x 5.11"	5.03" x 8.75" x 3.8"	5.47" x 3.12"	4.92" x 4.79"	4.92" x 3.62"	

AI IP Cameras

PTZ cameras

NDA/TAA
COMPLIANT PRODUCT



PART NUMBER		DWC-XSBA05Mi	DWC-XSDA05Bi	DWC-XSBE05Li	DWC-XSBE05Mi
Image	Image sensor	5MP 1/2.8" Star-Light Plus CMOS sensor			
	Total pixels	2704(H) X 2104(V)		2608(H) X 1984(V)	
	Minimum scene illumination	0.09 lux (color)	0.13 lux (color)	0.08 lux (color)	0.04 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	1 line in, 1 line out
Lens	Focal length	2.7-13.5mm	2.8mm	5 -50mm	2.7-13.5mm
	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	
	IR distance	140ft range	80ft range	120ft range	120ft range
	Angle of view	31°-96°	102.4°	7.7°-46.2°	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
	Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output
Network	Video compression	H.265, H.264, MJPEG			
	Frame rate	30fps at all resolutions			
	Streaming capability	Simultaneous triple streaming			
	Onboard storage	Micro SD / SDHC / SDXC (card not included)			
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS			
Environmental	Housing	Bullet	Ultra low-profile vandal dome	Bullet	
	Operating temperature	-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			
	IK rating	IK 10-rated impact-resistant			
	Other certifications	FCC, CE, UL-listed, NDA compliant, TAA compliant			
Electrical	Power requirements	DC12V, PoE, PoE adapter not included			
	Power consumption	DC12V: 13.2W, 11A PoE: 14.4W	DC12V: 71W, 591mA PoE: 9.6W	12V DC: 8.8W, 733.3mA PoE: 11.1W, 231.25mA	12V DC: 8.8W, 733.3mA PoE: 11.1W, 231.25mA
Mechanical	Dimensions	12.2" x 3.81"	4.13" x 2.4"	7.77" x 3.38"	

PART NUMBER		DWC-XPZA08Mi	DWC-XPZA03Mi	
Image	Image sensor	4K 1/1.8" Star-Light Plus™ CMOS	3MP 1/1.8" Star-Light Plus™ CMOS	
	Active pixels	3840 (H) x 2160(V)	2304 (H) x 1296(V)	
	Minimum scene illumination	0.005 lux (color)	0.005 lux (color)	
0 lux (B/W)		0 lux (B/W)		
Audio input/ output		1x line in and 1x line out		
Lens	Focal length	6.5-260mm	6.5-260mm	
	Lens type	Motorized zoom PTZ lens		
	IR distance	1184ft range		
	Optical zoom	40x optical zoom		
	Angle of view	1.6°-64.1°		
Operational	Deep learning analytics	Humans, vehicles, locked targets (coming soon)		
	Analytics filters	Motion detection, object detection and tracking, face detection, intrusion, missing object, abandoned object, line counting, ANPR, vehicle speed, directional detection, defocus, blurring (coming soon).		
	Wide dynamic range (WDR)	True WDR		
	Day and night	True D/N		
	Privacy zones	8 privacy masks		
	Range	360° endless, max. 250° per second		
	Tour	500 presets		
	Speed	8 swings, 4 patterns, 8 groups		
	Alarm input	4 alarm inputs		
	Alarm output	2 alarm outputs		
	Network	Video compression type	H.265, H.264, MJPEG	
		Frame rate	Max 30fps @ 3840x2160	Max 60fps @ 2304x1296
		Streaming capability	Quad streaming	
Onboard storage		Micro SD / SDHC / SDXC (card not included)		
Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS			
Environmental	Housing	PTZ high-speed dome		
	Operating temperature	-22°F - 140°F (-30°C - 60°C)		
	IP rating	IP66-rated		
	IK rating	IK 10-rated impact-resistant		
	Other certifications	CE, FCC, NDA compliant, TAA compliant		
Electrical	Power requirements	DC12V, PoE, PoE adapter included		
	Power consumption	24V AC: 48.62W, 2.02A PoE: 39.05W, 813mA		
Mechanical	Dimensions	8.89" x 14.3"		

MEGAPIX[®] Ai CAAS[™]

MEGApix AI cameras with Camera as a System (CaaS).

Self-contained cameras acting as single- or multi-site surveillance systems with no server required, MEGApix Ai CaaS cameras host an Ai engine and local server running on board the camera, as an ideal all-in-one solution for single- and multi-site locations.



Ai cameras are ideal solutions for applications looking to **add AI Deep Learning (DL) in a few locations**, recorded and managed from a centralized DW Spectrum IPVMS solution.



Camera as a System: The CaaS[™] solution supports multiple cameras in the same network and unlimited systems, all accessible and manageable via the DW Spectrum[®] client, app, and DW Cloud[™].



Deploying powerful analytics at the edge means that only the most relevant information is sent across the network, **reducing the burden on bandwidth and storage**. Deploying edge-side analytics allows the video to be analyzed in high quality.

AI Camera-as-a-Server IP Cameras

4K cameras

White light and red/blue flashing alarm

NDA/TAA
COMPLIANT PRODUCT



WHITE LIGHT TECHNOLOGY



PART NUMBER		DWC-XSDE08MiC1	DWC-XSBA08MiC1	DWC-XSBC08BiC1	DWC-XSTD05MFC1
Image	Image sensor	4K 1/2.8" Star-Light Plus CMOS sensor			
	Total pixels	3864(H) x 2228(V)		3856(H) X 2200(V)	2704(H) X 2104(V)
	Minimum scene illumination	0.09 lux (color)		0.15 lux (color)	0.07 lux (color)
0 lux (B/W)		0 lux (B/W)	0 lux (White light)		
Audio input/ output		1 microphone built-in/1 line out	1 line in, 1 line out	1 line in, 1 line out	1 microphone built-in/ 1 speaker built-in
Lens	Focal length	2.7-13.5mm		2.3mm	2.7-12mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus		Ultra-wide angle lens	Vari-focal p-iris lens with motorized zoom and auto-focus
	IR distance	100ft range	140ft range	100ft range	90ft range white light
	Angle of view	33.1°-90.3°	33.1°-90.3°	175°	31.5°-89.9°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction			
	Wide dynamic range	True WDR			
	Day and night	True D/N			Color only
	Motion detection	Yes			
	Privacy zones	16 privacy masks		---	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
Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	
Network	Video compression	H.265, H.264, MJPEG			
	Frame rate	30fps at all resolutions			
	Streaming capability	Simultaneous triple streaming			
	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	1TB			
Environmental	Housing	Low-profile vandal dome	Bullet	Wide-angle bullet	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), ColdStart -40°F on DC only	-4°F - 122°F (-20°C - 50°C)
	IP rating	IP67-rated			
	IK rating	IK 10-rated impact-resistant		IK 09-rated impact-resistant	IK 10-rated impact-resistant
	Other certifications	FCC, CE, UL-listed, ROHS, NDA compliant, TAA compliant			
Electrical	Power requirements	DC12V, PoE, PoE adapter not included			
	Power consumption	DC12V: 10.2W, 850mA PoE: 12.5W	DC12V: 13.2W, 1.1A PoE: 14.8W, 0.308mA	DC12V: max 21.9W, 1.83A PoE: max 9.2W, 191.6mA	12V DC: 12W, 1A PoE: 15.8W, 329.1mA
Mechanical	Dimensions	4.92" x 3.62"	12.2" x 3.81"	5.03" x 8.75" x 3.8"	4.92" x 3.62"

MEGAPIX[®] Ai

MEGApix Ai ANPR and MMCR IP cameras.

AI-powered IP cameras with Plate, Vehicle Type, Make, Model and Color Recognition detect and extract a license plate's characters into a searchable database for action-based surveillance.



ANPR cameras can read, document and search vehicle license plates, converting images to usable data that can be searched and mined for analytics, patterns and access reports.



MMCR cameras identify Make, Model and Color (MMCR) to classify vehicles, make, model and color across numerous brands.



The latest **image enhancement** capabilities reduce glare and harsh light. The results are clean and clear images with 95% character recognition accuracy.

NDAA/TAA
COMPLIANT PRODUCT



PART NUMBER		DWC-XSBA05MiM	DWC-XSBA05MiL	
Image	Image sensor	5MP 1/2.8" Star-Light Plus CMOS sensor		
	Total pixels	2704(H) X 2104(V)		
	Minimum scene illumination	0.1 lux (color)		
0 lux (B/W)				
Audio input/ output		1 line in, 1 line out		
Lens	Focal length	6-50mm		
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus		
	IR distance	130ft range		
	Angle of view	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		
	Privacy zones	16 privacy masks		
	Deep learning analytics	Deep learning object tracking, ANPR, make, model and color (MMCR).	Deep learning object tracking and optical character recognition capturing and reading license plates (ANPR).	
			Detection zones and lines, logical rules, tamper, intrusion, counting, counting lines, appear, disappear, stopped, enter, exit, tailgating, dwell, logical rules, direction, metadata.	
	Analytics filters			
	Alarm input	1 alarm input		
	Alarm output	1 alarm output		
	Network	Video compression	H.265, H.264, MJPEG	
Frame rate		30fps at all resolutions		
Streaming capability		Simultaneous triple streaming		
Onboard storage		Micro SD / SDHC / SDXC (card not included)		
Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS			
Environmental	Housing	Bullet		
	Operating temperature	-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, NDA TAA		
Electrical	Power requirements	DC12V, PoE, PoE adapter not included		
	Power consumption	DC12V: 13.2W, 1.1A, PoE: 14.4W, 0.3A		
Mechanical	Dimensions	12.2" x 3.81"		

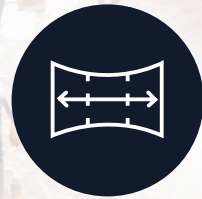
MEGAPIX® PANO™

MEGApix Pano surround IP cameras.

Wide-angle panoramic IP cameras are the most efficient way to achieve wide-view monitoring, performing the work of many cameras.



One camera does the work of many, reducing all system costs and offering complete coverage of a wide area.



Do more from a single installation, reducing all related costs, such as cabling and labor.



IVA Analytics are preloaded on the camera, offering pixel-based video analytics to help improve event detection.



NDA A
COMPLIANT PRODUCT

PART NUMBER		DWC-PZ21M69TW	DWC-M(P) BW8W12TW
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	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 (card not included)	Micro SD / SDHC / SDXC (card not included)
	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, UL-listed, NDAA compliant, TAA compliant	
Electrical	Power requirements	DC12V, PoE, PoE adapter included	DC12V, PoE, PoE adapter not included
	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"

MEGAPIX PANO™

360° fisheye views at real-time 30fps.

MEGApiX Pano 360°-view fisheye IP cameras monitor an entire room with a single camera with edge-to-edge image clarity.



9MP and 5MP models deliver high-quality hemispheric images that can be dewarped with **no pixel loss**.



Surround 360° Smart IR™ helps the camera deliver clear B/W images with no need for external light.



IVA Analytics are preloaded on the camera, offering pixel-based video analytics to help improve event detection.

NDAA
COMPLIANT PRODUCT



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)
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	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 (card not included)	
	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, UL-listed, NDAA compliant		
Electrical	Power requirements	DC12V, PoE, PoE adapter not included	
	Power consumption	DC12V Max 8.5W	DC12V: max 7.5W
		PoE Max 10W	PoE: max 8.7W
Mechanical	Dimensions	4.9" x 1.88"	

MEGAPIX[®] FLEX[™]

NDA A
COMPLIANT PRODUCT

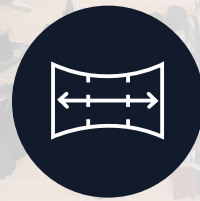


MEGAPIX Flex 4-in-1 customizable IP cameras.

MEGAPIX Flex multi-sensor user-configurable IP cameras provide four sensors in one housing and installation.



Four cameras in one: Adjust the camera's individual lens modules to achieve the ideal field of view. Use the central position for vertical monitoring under the camera.



Versatile lens installation: Replace multiple single-sensor cameras with greater ROI. The camera can enhance any application and cover any area needed with no blind spots.



Personalized to match any application: from a 180° panoramic view to full 360° situational awareness with a single camera and max flexibility.

PART NUMBER		DWC-P(P)VX20WATW	DWC-PVX16WV DWC-PVX16W2W* DWC-PVX16W4W*
Image	Image sensor	4x 1/2.8" 5.14MP Star-Light Plus™ CMOS	4x 4MP 1/3" CMOS
	Total pixels	4x 2592(H) x 1944(V)	4x 2688(H) X 1520(V)
	Minimum scene illumination	0.05 lux (color) 0.1 lux (B/W)	0.41 lux (color)
Audio input/ output		1 line in, 1 line out	
Lens	Focal length	4x 2.8 - 8.0mm	2.8mm, 4.0mm, 6.0mm and 8.0mm options
	Lens type	Vari-focal lens with motorized zoom and auto-focus	Fixed lens
	IR distance	---	
	Angle of view	4x 51° - 93°	90° (2.8mm), 51° (6.0mm), 81° (4.0mm), 39° (8.0mm)
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	H.265, H.264, MJPEG	H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions	
	Streaming capability	Simultaneous multi-streaming	
	Onboard storage	4x Micro SD/SDHC/SDXC cards (card not included)	
	Video management software	DW Spectrum IPVMS	
Environmental	Housing	Outdoor vandal dome	
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	
	IP rating	IP67-rated	IP66-rated
	IK rating	IK 10-rated impact-resistant	---
	Other certifications	FCC, CE, UL-listed, NDA A compliant	
Electrical	Power requirements	DC12V, PoE, PoE adapter included	
	Power consumption	DC12V: max 28W PoE: max 31W	18W
Mechanical	Dimensions	8.26" x 3.61"	7.48" x 3.54"



MEGAPIX[®]

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.



Star-Light Plus™ color in darkness technology:

Cameras with a Star-Light Plus sensor provide crisp, clear color images in near darkness with back-illuminated pixel technology for increased light sensitivity.



Megapixel resolution: DW's technology delivers **crystal-clear images in resolutions up to 4K**, delivering forensic details when zooming into the camera's field of view.



MEGApix IP cameras offer a variety of **housing options and specialty cameras**, including concealed installation, height strip and ATM solutions to match any need.

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 lux (B/W)	0.18 lux (color) 0 lux (B/W)	0.09 lux (color) 0 lux (B/W)	0.09 lux (color) 0 lux (B/W)	0.12 lux (color) 0 lux (B/W)	0.08 lux (color) 0.0 lux (B/W)	0.13 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	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: object removed, tailgating, direction, stopped, appear, disappear, object left.					IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper. IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left.		
	Alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	---	---	
Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	---	---		
Network	Video compression	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 (card not included)					---	---	
	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, UL-listed, NDA compliant					FCC, CE, UL-listed, NDA compliant		
Electrical	Power requirements	DC12V, PoE, PoE adapter not included							
	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"	

Height strip camera



5MP cameras



PART NUMBER		DW-M(P)HS5W37T DW-M(P)HS5W37TM	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	
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	H.265, H.264, MJPEG							
	Frame rate	Up to 30fps at all resolutions							
	Streaming capability	Simultaneous dual-streaming							
	Onboard storage	Micro SD / SDHC / SDXC (card not included)							
	Video management software	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, UL-listed, NDA A compliant							
Electrical	Power requirements	DC12V, PoE, PoE adapter not included							
	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 (card not included)	---	---	Micro SD / SDHC / SDXC (card not included)					Micro SD (card not included)	
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)									
IP67-rated			IP66-rated			IP67-rated			
---	IK 10-rated impact-resistant						---	---	
FCC, CE, UL-listed, NDAA compliant								CE, FCC, RoHS, NDAA compliant	
DC12V, PoE, PoE adapter not included									
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	

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)
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	Yes			
	Privacy zones	16 privacy masks	16 privacy masks			
	Capture image range	Up to 60'	---			
	Max. vehicle speed	50mph	---			
	Alarm input/output	1 alarm input/output	---			
Network	Video compression	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 (card not included)	---	---	---	---
	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, NDA A compliant	FCC, CE, UL listed, NDA A compliant			
Electrical	Power requirements	DC12V, PoE, PoE adapter not included				
	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"

NDA A
COMPLIANT PRODUCT

PTZ camera



IP cameras with DMP SecuriCam® video verification



PART NUMBER		DWC-MPTZ230XTW	DWC-MB75Wi4TWDMP	DWC-MF5Wi4TWDMP	DWC-MB72Wi4TWDMP	DWC-MF2Wi4TWDMP
Image	Image sensor	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	198(H) X 1288(V)	2593 (H) x 1944 (V)		1945 (H) x 1109 (V)	
	Minimum scene illumination	0.05 lux (color) 0 lux (B/W)	0.16 lux (color) 0.0 lux (B/W)		0.09 lux (color) 0.0 lux (B/W)	
Audio input/ output		1x line in and 1x line out	---			
Lens	Focal length	4.3-129mm	4.0mm		4.0mm	
	Lens type	Motorized zoom PTZ lens	Fixed lens			
	IR distance	200ft range	100ft range	50ft range	100ft range	50ft range
	Optical zoom	30x optical zoom	---	---	---	---
	Angle of view	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 360° per second	---			
	Preset sequence	5-90°, max 360° per second	---			
	Presets	255 presets	---			
	Tours	10 tours	---			
	Alarm input	1 alarm input	---			
Alarm output	1 alarm output	---				
Network	Video compression type	H.265, H.264, MJPEG	H.264			
	Frame rate	Up to 30fps at all resolutions	10fps			
	Streaming capability	Dual-streaming	Based on the DMP system			
	Onboard storage	Micro SD / SDHC / SDXC (card not included)	---	---	---	---
	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	-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, UL-listed, NDA A compliant	CE, FCC, UL-listed, NDA A compliant			
Electrical	Power requirements	DC12V, PoE, PoE adapter included	DC12V, PoE, PoE adapter not included			
	Power consumption	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	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



NDAA
COMPLIANT PRODUCT

PART NUMBER		DWC-MT95WW28TW	DWC-MV95Wi28TW DWC-MV95Wi36TW	DWC-MV95WiATW	DWC-MT95Wi28TW DWC-MT95Wi36TW	DWC-MT95WiATW	DWC-MB95Wi28TW DWC-MB95Wi36TW
Image	Image sensor	5MP 1/2.7" CMOS		5MP 1/2.7" CMOS			
	Total pixels	2592 (H) × 1944 (V)		2592 (H) × 1944 (V)			
	Minimum scene illumination	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)
Audio input/ output		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
Lens	Focal length	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-MB95Wi28TW) 3.6mm (DWC-MB95Wi36TW)
	Lens type	Fixed Lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens
	IR distance	2 white light LEDs, 98ft range	100ft range	164ft range	100ft range	164ft range	164ft range
	Angle of view	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-MB95Wi28TW) 81.4° (DWC-MB95Wi36TW)
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction	Smart DNR™ 3D digital noise reduction				
	Wide dynamic range (WDR)	True WDR	True WDR				
	Day and night	Color mode only	True D/N				
	Motion detection	Yes	Yes				
	Privacy zones	4 programmable privacy masks	4 programmable privacy masks				
	Alarm input	---	1 alarm input		---		
	Alarm output	---	1 alarm output		---		
Network	Video compression	H.265, H.264, MJPEG					
	Frame rate	Up to 30fps at all resolutions					
	Streaming capability	Simultaneous dual-streaming					
	Onboard storage	Micro SD / SDHC / SDXC (card not included)					
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS					
Environmental	Housing	Turret	Vandal dome		Turret		Bullet
	Operating temperature	-22°F - 140°F (-30°C - 60°C)		-22°F - 140°F (-30°C - 60°C)			
	IP rating	IP67-rated	IP67-rated				
	IK rating	IK10-rated impact-resistant	IK 10-rated impact-resistant				
	Other certifications	CE, FCC, ROHS, NDAA compliant	CE, FCC, NDAA compliant				
Electrical	Power requirements	DC12V, PoE, PoE adapter not included					
	Power consumption	< 7W	<6W	<9W	<7W	<9W	<9W
Mechanical	Dimensions	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"

V-Class 4MP cameras



DWC-VSDG04Bi	DWC-VSDG04Mi	DWC-VSTB04Bi	DWC-VSTB04Mi	DWC-VSBD04Bi	DWC-VSBD04Mi
4MP 1/3" CMOS					
2560 × 1440					
0.005 lux (color)					
0.0 lux (B/W)					
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			
2.8mm	2.8-12mm	2.8mm	2.8-12mm	2.8mm (DWC-MB95Wi28T)	2.8-12mm
Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens
100ft range	164ft range	100ft range	164ft range	164ft range	164ft range
94°	92°-31°	94°	92°-31°	94°	92°-31°
Smart DNR™ 3D digital noise reduction					
True WDR					
True D/N					
Yes					
8 programmable privacy masks					

H.265, H.264, MJPEG					
Up to 30fps at all resolutions					
Simultaneous dual-streaming					
Micro SD / SDHC / SDXC (card not included)					
DW Spectrum IPVMS, plus other ONVIF conformant VMS					
Vandal dome	Turret			Bullet	
-22°F - 140°F (-30°C - 60°C)					
IP67-rated					
IK 10-rated impact-resistant					
CE, FCC, NDAA compliant					
DC12V, PoE, PoE adapter not included					
<4.5W	<7.5W	<5W	<8W	<8W	<8W
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"

MEGApix CaaS (Camera as a System) edge solutions.

DW's CaaS solutions are a complete single- or multi-site surveillance system with no server or NVR required. There is no software to buy and install, no license keys and no OS to maintain.



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



Crystal-clear images in **resolutions up to 4K**, delivering forensic details in zoom and wide field of view with no detail loss.



1TB local storage gets **up to 90 days of recorded data** stored locally on the camera, manageable and archived remotely via the DW Cloud.

AUTOMATIC
GATE
DRIVE TO LINE

STOP

Camera-as-a-System IP Cameras

NDA A
COMPLIANT PRODUCT

Fisheye camera



LPR camera







































































4MP camera











































































PART NUMBER		DWC-PVF5M1TIRWC5 DWC-PVF5M1TIRWCIT	DWC-MB44LPRWC5 DWC-MB44LPRWCIT	DWC-MB44Wi650WC5 DWC-MB44Wi650WCIT	DWC-MB44WiAWC5 DWC-MB44WiAWCIT	DWC-MV84WiAWC5 DWC-MV84WiAWCIT	DWC-MF4Wi6WC5 DWC-MF4Wi6WCIT	DWC-MF4Wi4WC5 DWC-MF4Wi4WCIT
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 lux (B/W)	0.26 lux (color) 0.0 lux (B/W)	0.2 lux (color) 0.0 lux (B/W)	0.2 lux (color) 0.0 lux (B/W)	0.41 lux (color) 0.0 lux (B/W)	0.41 lux (color) 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	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-PVF5M1TIRWCIT: 1TB	DWC-MB44LPRWC5: 512GB DWC-MB44LPRWCIT: 1TB	DWC-MB44Wi650WC5: 512GB DWC-MB44Wi650WCIT: 1TB	DWC-MB44WiAWC5: 512GB DWC-MB44WiAWCIT: 1TB	DWC-MV84WiAWC5: 512GB DWC-MV84WiAWCIT: 1TB	DWC-MF4Wi6WC5: 512GB DWC-MF4Wi6WCIT: 1TB	DWC-MF4Wi4WC5: 512GB DWC-MF4Wi4WCIT: 1TB
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, UL-listed, NDA A compliant						
Electrical	Power requirements	DC12V, PoE, PoE adapter not included						
	Power consumption	LED on: 6.5W LED off: 3.6W	DC12V max 11W PoE max 12.9W	DC12V max 11W PoE max 12.9W	DC12V max 11W PoE max 12.9W	DC12V: max 7.1W PoE: max 9.2W	DC12V: max 5.6W PoE: max 7.4W	DC12V: max 5.6W 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

Camera	Ceiling Mount Bracket	Hanging Mount Bracket	Wall Mount Bracket	Junction Box for Wall Mount Bracket	Junction Box	Tilting Adapter	Corner Mount	Pole Mount	Gang Converter Plate	Flush Mount	Specialty
 DWC-PDS10WI28A	 DWC-DSCM	 DWC-V4HMM	 DWC-DSWM	 DWC-WMJUNCW	 DWC-WMJUNCW	N/A	 DWC-VICNMW	 DWC-PMB-WLW	N/A	N/A	N/A
 DWC-PVX20/ PPVX20	 DWC-PV20CMW	 DWC-PV20HMM	 DWC-PV20WMW		 DWC-PV20JUNCW	 DWC-PV20ADPW	 DWC-VICNMW	 DWC-PMB-WLW	N/A	 DWC-PV20FMW	 DWC-PZPARAMW2
 DWC-PVX16WW	 DWC-PZCMW	 DWC-PZHMW	 DWC-PZWMW	 DWC-WMJUNCW	N/A	 DWC-PZADPW	 DWC-VICNMW	 DWC-PMB-WLW	N/A	N/A	 DWC-PZPARAMW2
 DWC-PZ21M69TW	 DWC-PZCMW	 DWC-PZHMW	 DWC-PZWMW	 DWC-WMJUNCW	N/A	 DWC-PZADPW	 DWC-VICNMW	 DWC-PMB-WLW	N/A	N/A	 DWC-PZPARAMW2
 DWC- MPTZ230XTW	 DWC-P230CMW	N/A	 DWC-P230WMW		N/A	N/A	 DWC-VICNMW	 DWC-PMB-WLW	N/A	 DWC-P230FMW	 DWC-PZPARAMW2
 DWC-XSDE DWC-MVC/MPVC	 DWC-VFCMW	 DWC-VFHMW	 DWC-VFWMW	 DWC-WMJUNCW	 DWC-VFJUNCW	N/A	 DWC-VICNMW	 DWC-PMB-WLW	 DWC-GPLT-W	 DWC-VFFMW	N/A
 DWC-XPZA	 DWC-XPZACM	N/A	 DWC-XPZAWM	N/A	N/A	N/A	 DWC-XPZACNM	 DWC-XPZAPLM	N/A	N/A	 DWC-PZPARAMW2
 DWC-MVD/MPVD	 DWC-VFCMW	 DWC-VFHMW	 DWC-VFWMW	 DWC-WMJUNCW	 DWC-VFJUNCW	N/A	 DWC-VICNMW	 DWC-PMB-WLW	 DWC-GPLT-W	N/A	N/A



















Camera Accessories

Camera	Ceiling Mount Bracket	Hanging Mount Bracket	Wall Mount Bracket	Junction Box for Wall Mount Bracket	Junction Box	Tilting Adapter	Corner Mount	Pole Mount	Gang Converter Plate	Flush Mount	Specialty
						N/A					N/A
DWC-MV8/MPV8	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W	DWC-VFFMW	
						N/A				N/A	N/A
DWC-MF/MPF	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
						N/A				N/A	
DWC-XSDA	DWC-V7CMW	DWC-V7HMW	DWC-V7WMW	DWC-WMJUNCW	DWC-V7JUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		DWC-V7DECO
						N/A				N/A	
DWC-MV7/MPV7	DWC-V7CMW	DWC-V7HMW	DWC-V7WMW	DWC-WMJUNCW	DWC-V7JUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		DWC-V7DECO
					N/A	N/A				N/A	N/A
DWC-MV4/MPV4	DWC-V4CMW	DWC-V4HMW	DWC-V4WMW	DWC-WMJUNCW			DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
		N/A				N/A				N/A	N/A
DWC-MVA/MPVA	DWC-VACM		DWC-VAWM	DWC-WMJUNCW	DWC-VAJUNC		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
						N/A				N/A	N/A
DWC-PVF/PPVF	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
				Included with the camera	Included with the camera	N/A			Included with the camera		
DWC-XSDJ	DWC-DSCM	DWC-V4HMW	DWC-DSWM				DWC-VICNMW	DWC-PMB-WLW		DWC-DJFM	DWC-DJSSLD

Camera Accessories

Camera	Ceiling Mount Bracket	Hanging Mount Bracket	Wall Mount Bracket	Junction Box for Wall Mount Bracket	Junction Box	Tilting Adapter	Corner Mount	Pole Mount	Gang Converter Plate	Flush Mount	Specialty
 DWC-XSBJ	N/A	N/A	N/A	Included with the camera	Included with the camera	N/A			N/A	N/A	N/A
							DWC-VICNMW	DWC-PMB-WLW			
 DWC-XSBE	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
					DWC-B7JUNCW		DWC-VICNMW	DWC-PMB-WLW			
 DWC-MB4/MPB4	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
					DWC-BLJUNC-W		DWC-VICNMW	DWC-PMB-WLW			
 DWC-XSBA DWC-MB48/MPB48	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
					DWC-BLJUNC-W		DWC-VICNMW	DWC-PMB-WLW			
 DWC-MPH/MPPH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
											DWC-PHCENW
 DWC-XSBC DWC-MBW/MPBW	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
					DWC-BLJUNC-W		DWC-VICNMW	DWC-PMB-WLW			
 DWC-MB7/MPB7	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
					DWC-B7JUNCW		DWC-VICNMW	DWC-PMB-WLW			

Camera Accessories

Camera	Ceiling Mount Bracket	Hanging Mount Bracket	Wall Mount Bracket	Junction Box for Wall Mount Bracket	Junction Box	Tilting Adapter	Corner Mount	Pole Mount	Gang Converter Plate	Flush Mount	Specialty
 DWC-VSBD DWC-MB9	N/A	N/A	N/A	N/A	 DWC-MBTJUNCW	N/A	N/A	N/A	N/A	N/A	N/A
 DWC-VSDG, DWC-MV9 fixed lens	 DWC-MV9CMJ	N/A	 DWC-MTTWM	N/A	 DWC-MV9JUNC	N/A	N/A	N/A	N/A	N/A	N/A
 DWC-VSDG, DWC-MV9 vari-focal lens	 DWC-MV9CMJ2	N/A	 DWC-MV9WMJ2		 DWC-MV9JUNC2	N/A	N/A	N/A	N/A	N/A	N/A
 DWC-VSTB, DWC-MT9 fixed lens	 DWC-MT9CMJ	N/A	 DWC-MTTWM	N/A	 DWC-MT9JUNC	N/A	N/A	N/A	N/A	N/A	N/A
 DWC-VSTB, DWC-MT9 vari-focal lens	 DWC-MT9CMJ2	N/A	 DWC-MTTWM2	N/A	 DWC-MT9JUNC2	N/A	N/A	N/A	N/A	N/A	N/A

SiteWatch™



Perimeter Protection by DW®

Complement your surveillance system with motion detectors and illuminators.

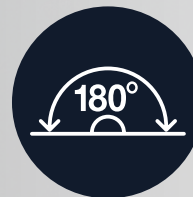
SiteWatch motion detectors and illuminators upgrade any system needing external lighting or motion detection. All detectors and illuminators are fully integrated with DW Spectrum IPVMS and can be managed remotely.



When motion is detected, the illuminators can turn on, and cameras can be activated to record, all controlled via DW Spectrum® IPVMS.



The Infrared and White Light illuminators incorporate the latest surface mount Dual-Core™ LEDs, combined with enhanced optical output and outstanding reliability at a **variety of distances and wavelengths.**



Motion detectors and laser sensors **enhance panoramic and PTZ cameras** to create a formidable panoramic solution.

Illuminators and Motion Detectors

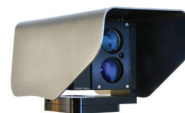


Illuminators

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 circuitry		
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-DTMDTLA5
Mounting bracket



DW-DTWT
Walk tester



DW-DTCAW
Conduit adaptor



DW-DTPM
Pole mount bracket

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



IP Horn Speakers

The outdoor IP speakers are robust, IP-enabled audio devices that help proactively deter crime with instant live and recorded responses to events.



All-in-one speakers ensure every message is clear and easy and the built-in microphone enables operators to respond to events with live communication.



Flexible, scalable and cost-effective: designed to be mounted anywhere, the speakers come with PoE support for a simplified installation and can be integrated into existing systems.



The horn speakers provide clear and audible speech with **no noise or audio distortion.**

SPECIFICATIONS	DW-SWS15	DW-SWSP30M
Codec	OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA 8 kHz	
Built-in microphone	N/A	Yes
Max SPL	113dB	120dB
Frequency response	300Hz-8KHz	350Hz - 8KHz
Frequency range	500-2KHZ +-10dB 400-12KHZ +-20dB	
Harmonic distortion	0.1@1kHz	
Signal to noise ratio	91dB	
Amplifier	Built-in 15W amplifier	Built-in 30W amplifier
Security	Password protection, IP address filtering, digest authentication, user access log, no 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 SIP protocol for integration with VoIP systems, integrated with SIP/PBX	
	2 SIP accounts, SIP direct IP call, RTP multicast	Support SIP features: secondary/backend SIP server, IPv4
	Supported codecs: OPUS, MP3, G.722, PCMU, PCMA	Supported codecs: OPUS, G711U, G711A, GSM, MP3, WAV
Operating temperature	-22°F - 140°F (-30°C - 60°C)	
Operating humidity	5%-85%	
Material	ABS (IP67-rated)	
Rate power	15W	30W
Power supply	PoE or 12-24V	
Installation	Wall-mounted	
Dimensions	8.74" x 7.04" x 9.13" (222 x 179 x 232mm)	11.22" x 8.07" x 11.41" (285 x 205 x 290mm)
Net weight	2.86 lbs (1.3 kg)	4.4 lbs (2 kg)
Warranty	2 years	



The easiest transition from analog to IP.

NDA A
COMPLIANT PRODUCT



SPECIFICATIONS	DW-ENC4K16
Video input	HD over Coax* technology with HD-Analog, HD-TVI, HD-CVI up to 4K and CVBS up to 960H
Video output	16 IP channels
Local display	4K at 15fps, 5MPat 20fps 4MP, 2.1MP/1080p,960H,D1 at 30fps
Resolution	True HD: 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA: 1920 x 1080, 1280 x 1024 BNC: CVBS, 960H
Video encoding	H.265, H.264
AUDIO	
Input	8 audio input
Output	1 RCA audio output
INTERFACE	
Alarm input	16 inputs
Alarm output	4 output
Serial	1 RS485 port for PTZ support 1x USB 3.0, 1x USB 2.0 PTZ control via Coax (HD-Analog / HD-TVI)
GENERAL	
ONVIF Conformant	Yes
Power requirements	12V DC, 4A
Power consumption	Max 30W, 2.5A
Dimensions	14.96" x 10.55" x 1.77" (380 x 268 x 45mm)
Rack-mountable	DW-EN19RE (included)



Place a public view monitor anywhere.

NDA A/TAA
COMPLIANT PRODUCT



SPECIFICATIONS	DW-HDSPOTMOD	DW-HDSPOTMOD16
Operating system	Embedded Linux*	
Video compression	H.265, H.264	
IP camera	Input	4 channels
Display	Speed	Up to 120fps
	Screen mode	Up to 480fps
Video-in	Screen mode	Single channel, quad view mode, sequence
	Screen mode	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"	







Added storage for any solution.

NDA A/TAA
COMPLIANT PRODUCT



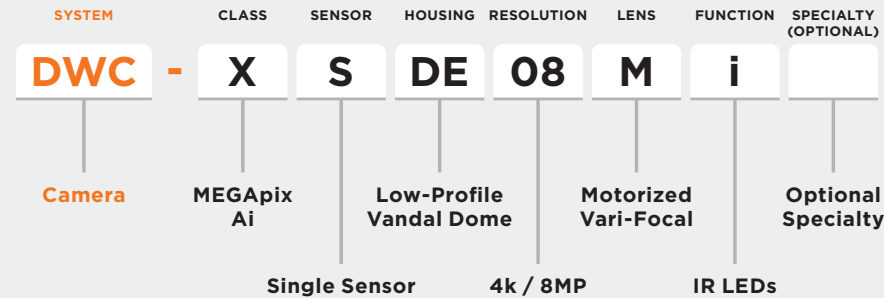
PART NUMBER	DW-BJNASxT / DW-BJNASxTR
Operating system	Linux* embedded
Form factor	Desktop
Maximum hard drives	2 x SATA HDD
Maximum storage capacity	DW-BJNASxT: 20TB (2x 10TB) DW-BJNASxTR: 10TB (2x 10TB, RAID1)
RAID	RAID1 (DW-BJNASxTR)
Max. recording channel	Max 24 2.1MP/1080p IP cameras
Max. recording bandwidth	Max. 120Mbps throughput
LED indicators	HDD status, power
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

Software and Apps to Manage your System Remotely

				
Application:	C3 CMS	DW Mobile Plus™ app	DW Witness app	DW Spectrum mobile app
Recorders:	Windows and Mac	iOS and Android	iOS and Android	iOS and Android
DW Spectrum IPVMS servers	---	---	○	○
VMAX IP G4	○	○	○	---

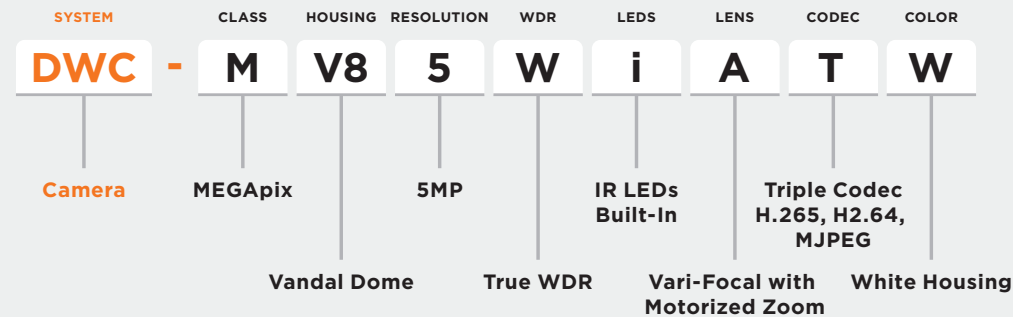
Camera Part Numbering System

IP cameras launched in 2023 and onward



DWC-XSDE08Mi MEGApix Ai, single-sensor vandal dome, 4k, motorized vari-focal lens and IR LEDs

IP cameras launched before 2023



DWC-MV85WiATW MEGApix IVA, vandal dome, 5MP, true WDR, IR LEDs, vari-focal lens with motorized zoom and auto focus, triple codec support, white housing.



DW CHANNEL PARTNER PROGRAM™

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.

With your annual purchase commitment, 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



Your online home for advanced 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 and is 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®.



HD OVER COAX™ PRODUCT QUICK REFERENCE GUIDE

REV: 03/24

Built for Users.™

- 4K HD over Coax™ Cameras
- C3™ CMS Command, Control, Communicate
- VMAX® Digital Video Recorders
- SiteWatch™ Perimeter Protection
- Star-Light Plus™ Color in Near-Total Darkness Technology

NDAA/TAA
COMPLIANT PRODUCT

Universal HD over Coax® Products



SOFTWARE

C3™ CMS Remote Management Software

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/TAA-compliant Universal HD over Coax® DVRs supports HD-Analog and HD-TVI formats up to 4K.

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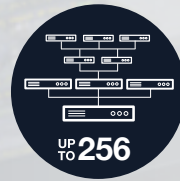
C3 CMS remote management and event server software	4
VMAX A1 G4 NDAA/TAA-compliant Universal HD over Coax DVRs	6
Star-Light Plus color in near-total darkness Universal HD over Coax cameras	8
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C3 CMS: All your systems in one interface.

Remote management software suite for the VMAX series recording solutions, providing a powerful and easy-to-use way to monitor the device from anywhere. C3 CMS provides actionable information in real time.

SUPPORTED OPERATING SYSTEM:  Windows®  MacOS



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.

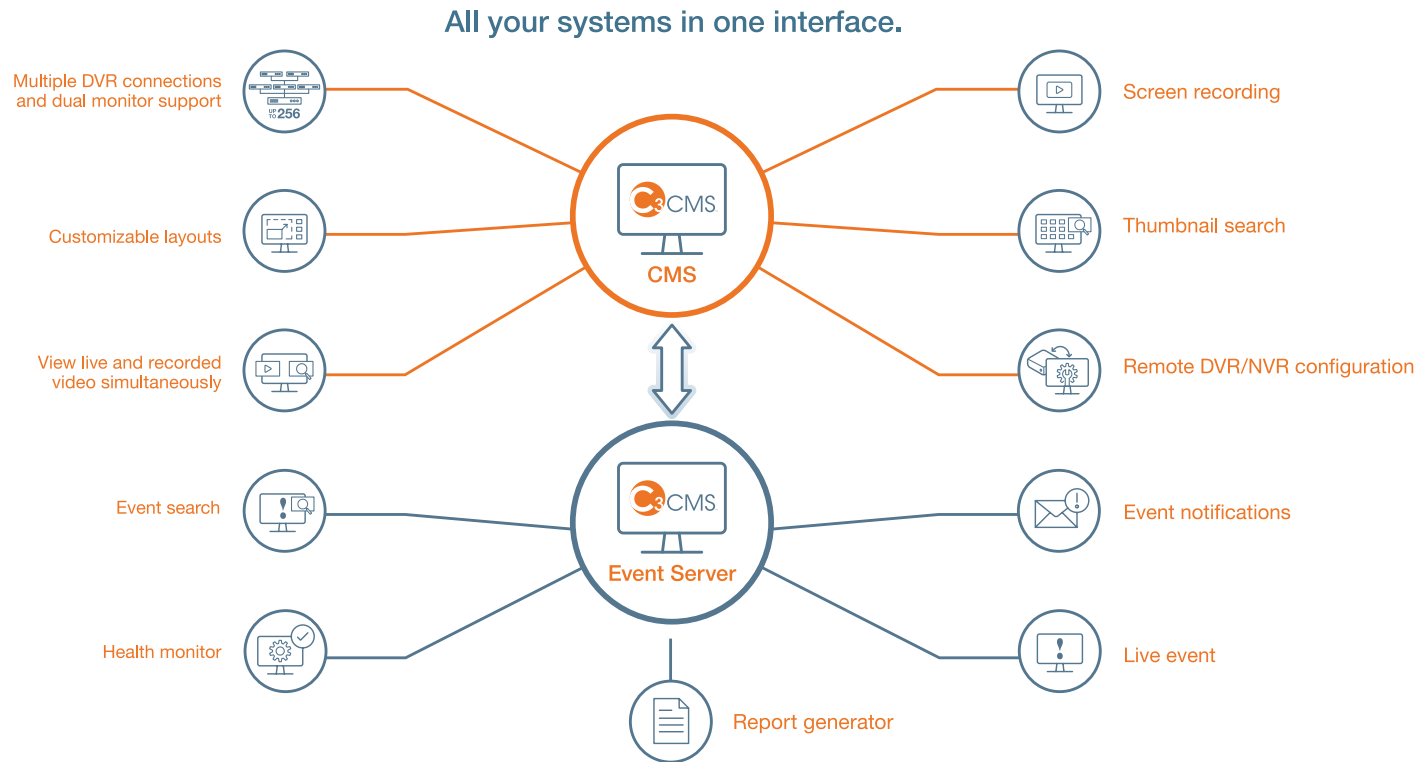


Customizable layouts with simultaneous live and recorded video views: The C3 CMS supports conventional gridline layouts, user-friendly panoramic, corridor or 2x2 views with live and recorded video on the same screen at the same time.



Free to download; No maintenance fees: C3 CMS is completely free to download, update and use. There are no hidden fees, no licenses and no subscriptions.

Remote Management and Event Server Software



Screen Recording

C3 CMS allows you to record your screen.



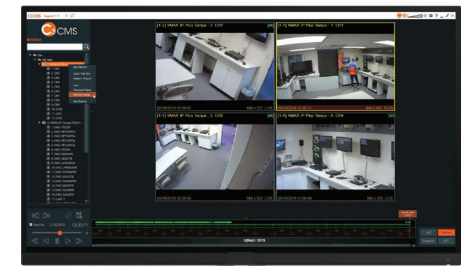
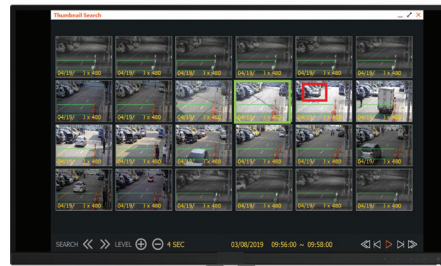
Thumbnail Search

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



Remote DVR Configuration

Remotely configure DVR settings and firmware upgrades.





VMAX[®] A1 G4[™]

DVRs with 4K universal HD over coax support.

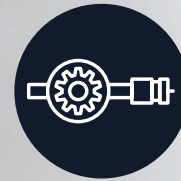
The NDAA/TAA-compliant DVRs offer a seamless upgrade to HD resolution for new ROI from existing coaxial infrastructure. The VMAX A1 G4 can record 4K video and 2.1MP/1080p at real-time 30fps with Up the Coax (UTC) remote configuration.



Standalone VMAX Solution: DW's VMAX recorders are user-friendly, easy to set up and go from un-boxing to monitoring in minutes in a self-contained solution that's Built for Users[™].



4K via Coax: Keep your existing coaxial cabling and upgrade your system to 4K high-quality video in the ultimate ROI.



Up the Coax (UTC): Cut installation time with video and communication through the same coax cable. Access camera settings remotely and control PTZs without the need for additional cables.



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		16 channels
Video live	Frame rate	1-30fps, max 120fps 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
	Output	1 output		1 output
Alarm	Alarm input	4 inputs		16 inputs
	Alarm output	1 output		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)
	Recording resolutions	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)
Storage		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
	Max. internal storage	Up to 16TB		Up to 32TB
Access	Web viewer	Live, playback and configuration up to 10 multiple connections		
	Mobile client	Mobile app for Apple and Android smartphones 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
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)

Star-Light Plus UHDoC cameras bring color in darkness images.

DW Universal HD over Coax cameras includes support for HD-Analog, HD-TVI and HD-CVI signals. They are engineered to work with our VMAX A1 G4 DVRs, using your existing coaxial infrastructure for a cost-effective, high-resolution surveillance solution.



Star-Light Plus™ color in darkness technology:

Cameras with a Star-Light Plus sensor provide crisp, clear color images in near darkness with back-illuminated pixel technology for increased light sensitivity.



Up to 4K resolution: DW's technology delivers crystal-clear images in resolutions up to 4K using existing coaxial cabling and installation, making it the most cost-effective update to your existing analog system.



Star-Light Plus UHDoC cameras offer a variety of housing options and specialty cameras, including **LPR and high-speed PTZ cameras** with complete camera control via coax (UTC) for a simplified installation process.

Universal HD over Coax

4K cameras

NDA A
COMPLIANT PRODUCT



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)	0.1 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)	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, NDA A compliant				FCC, CE, ROHS, NDA A 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	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.2W, 352mA	DC12V (LED off): 4.27W, 356mA DC12V (LED on): 6.98W, 582mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.04W, 337mA	DC12V (LED off): 4.27W, 356mA DC12V (LED on): 6.98W, 582mA	DC12V (LED off): 5.76W, 480mA DC12V (LED on): 7.92W, 660mA	DC12V (LED off): 5.517W, 460mA DC12V (LED on): 8.98W, 748mA	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.54W, 378mA	
		AC24V (LED off): 4.95W, 346mA AC24V (LED on): 7.81W, 540mA		AC24V (LED off): 3.96W, 290mA AC24V (LED on): 6.38W, 440mA		AC24V (LED off): 3.96W, 290mA AC24V (LED on): 6.38W, 440mA	AC24V (LED off): 6.49W, 429mA AC24V (LED on): 7.15W, 495mA	AC24V (LED off): 5.06W, 358mA AC24V (LED on): 8.03W, 552mA		
	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"	

5MP cameras

NDA A
COMPLIANT PRODUCT



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, NDA A compliant		UL listed, FCC, CE, ROHS, NDA A compliant			FCC, CE, ROHS, NDA A 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"

Universal HD over Coax

5MP cameras

LPR camera

PTZ camera



NDA/TAA
COMPLIANT PRODUCT

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	Snaptit™ 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, NDA compliant			UL listed, CE, FCC, ROHS, NDA compliant		CE, FCC, ROHS, NDA compliant	CE, FCC, ROHS, NDA & TAA compliant
DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V	DC12V	DC12V	DC12V/AC24V Dual Voltage	DC12V/AC24V Dual Voltage
DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA	DC12V (LED off): 4.62W, 385mA DC12V (LED on): 7.13W, 595mA	DC12V (LED off): 1.98W, 165mA DC12V (LED on): 2.62W, 218mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 2.69W, 224mA	DC12V: 2W, 176mA	DC12V: 6.12W, 510mA, 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 cameras

Snapit™ cameras



PART NUMBER		DWC-B6263WTIR	DWC-B6263WTIR650	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)	0.41 lux (color)	0.3 lux (color)	0.3 lux (color)
		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	3.6mm	2.8 - 12mm	2.8 - 12mm
	Lens type	Vari-focal p-iris lens		Fixed lens	Varifocal p-iris lens with motorized zoom and auto-focus	
	IR distance	100ft range	150ft 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, NDA A compliant			CE, FCC, ROHS, NDA A 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): 3.0W	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"	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

Universal HD over Coax cameras



DWC-D3263WTIR		DWC-V6263WTIR		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)		0.2 lux (color)		0.2 lux (color)	
0 lux (B/W)		0 lux (B/W)		0 lux (B/W)		---	
2.1MP/1080p at 30fps							
2.8 - 12mm		2.8 - 12mm		2.8 - 12mm		3.6mm	
Varifocal p-iris lens		Varifocal p-iris lens		Varifocal p-iris lens		Fixed lens	
100ft range		100ft range		100ft range		---	
Smart DNR™ 3D digital noise reduction							
Yes							
True WDR							
True D/N				D-WDR			
16 privacy masks				4 privacy masks			
Yes		Yes		---		---	
UTP built-in		UTP built-in		---		---	
1 alarm output		1 alarm output		---		---	
Indoor dome		Outdoor vandal dome		Outdoor vandal dome		Ultra low-profile outdoor vandal dome	
-4°F - 122°F (-20°C - 50°C)							
---		Yes		Yes		---	
---		IP66-rated		IP66-rated		IP66-rated	
---		IK 10-rated impact-resistant		IK 10-rated impact-resistant		IK 10-rated impact-resistant	
FCC, CE, ROHS, NDAA compliant		UL listed, FCC, CE, ROHS, NDAA compliant		UL listed, FCC, CE, ROHS, NDAA compliant		UL listed, FCC, CE, ROHS, NDAA compliant	
DC12V/AC24V dual voltage		DC12V/AC24V dual voltage		DC12V		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) : 186W DC12V (LED on) : 3.6W		DC12V (LED off) : 1.92W 3.12W (DWC-V7253TIR) DC12V (LED on) :	
4.72" x 3.52"		5.7" x 4.26"		5.7" x 4.26"		4.13" x 2.39"	

Camera Accessories

Camera	Ceiling mount bracket	Hanging mount bracket	Wall mount bracket	Junction box for wall mount bracket	Junction box	Tilting adapter	Corner mount	Pole mount	Gang converter plate	Flush mount	Specialty
						N/A				N/A	
DWC-V7	DWC-V7CMW	DWC-V7HMW	DWC-V7WMW	DWC-WMJUNCW	DWC-V7JUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		DWC-V7DECO
					N/A	N/A				N/A	N/A
DWC-V4	DWC-V4CMW	DWC-V4HMW	DWC-V4WMW	DWC-WMJUNCW			DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
	N/A	N/A		N/A	N/A	N/A	N/A	N/A		N/A	N/A
DWC-D4			DWC-D1WMW						DWC-GPLT-W		
						N/A				N/A	N/A
DWC-V6	DWC-V6CMW	DWC-V6HMW	DWC-V6WMW	DWC-WMJUNCW	DWC-V6JUNCW		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
		N/A				N/A				N/A	N/A
DWC-VA	DWC-VACM		DWC-VAWM	DWC-WMJUNCW	DWC-VAJUNC		DWC-VICNMW	DWC-PMB-WLW	DWC-GPLT-W		
	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
DWC-B6 DWC-LPR650U					DWC-BLJUNC-W		DWC-VICNMW	DWC-PMB-WLW			
	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A
DWC-B7					DWC-B7JUNCW		DWC-VICNMW	DWC-PMB-WLW			



The easiest transition from analog to IP.

NDAA
COMPLIANT PRODUCT



SPECIFICATIONS	DW-ENC4K16
Video input	HD over Coax® technology with HD-Analog, HD-TVI, HD-CVI up to 4K and CVBS up to 960H
Video output	16 IP channels
Local display	4K at 15fps, 5MPat 20fps 4MP, 2.1MP/1080p, 960H, D1 at 30fps
Resolution	True HD: 3840 2160, 1920 1080, 1280 1024 VGA: 1920 1080, 1280 1024 BNC: CVBS, 960H
Video encoding	H.265, H.264
AUDIO	
Input	8 audio input
Output	1 RCA audio output
INTERFACE	
Alarm input	16 inputs
Alarm output	4 output
Serial	1 RS485 port for PTZ support 1x USB 3.0, 1x USB 2.0 PTZ control via Coax (HD-Analog / HD-TVI)
GENERAL	
ONVIF Conformant	Yes
Power requirements	12V DC, 4A
Power consumption	Max 30W, 2.5A
Dimensions	14.96" x 10.55" x 1.77" (380 268 45mm)
Rack-mountable	DW-EN19RE (included)



Place a public view monitor anywhere.

NDAA/TAA
COMPLIANT PRODUCT



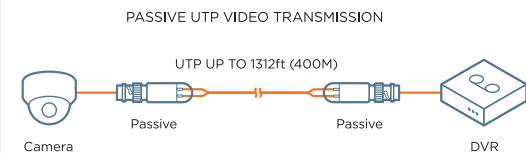
SPECIFICATIONS	DW-HDSPOTMOD	DW-HDSPOTMOD16	
Operating system	Embedded Linux®		
Video compression	H.265, H.264		
IP camera	Input	4 channels	16 channels
	Speed	Up to 120fps	Up to 480fps
Display	Screen mode	Single channel, quad view mode, sequence	Single channel, 16-Ch view mode, sequence
	Video-in	IP cameras (up to 4K, 3840 x 2160 resolution), Universal HD over Coax® VMAX® AT™ 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		
System operation	Digital zoom		
	USB mouse		
ENVIRONMENTAL			
Power	DC12V		
Operating temperature	41°F - 104°F (5°C - 40°C)		
Dimensions	5.47" x 4.84" x 1.25"		



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.





Connection Options

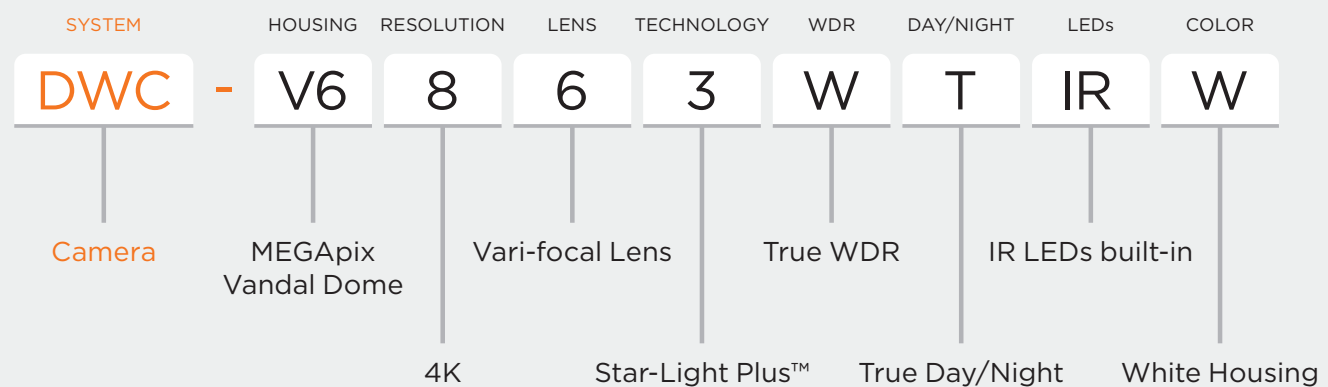


SPECIFICATIONS	
Transmission signal	1 channel
Transmission distance	<ul style="list-style-type: none"> • HD-CVI 720p: 1312ft (400M) • HD-CVI 2.1MP/1080p: 820ft (250M) • HD-CVI 4MP/4K: 656ft (200M) • HD-TVI 720p: 820ft (250M) • HD-TVI 2.1MP/1080p: 820ft (250M) • HD-TVI 5MP/4K: 590ft (180M) • HD-Analog 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
Recorders:	Windows and Mac	iOS and Android
VMAX® A1 G4™	○	○

Camera Part Numbering System



DWC-V6863WTIRW Vandal dome 4K camera with vari-focal lens, Star-Light Plus technology, True WDR, true day/night and IR LEDs in white housing



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- ✓ Project pricing / Map pricing
- ✓ Project design support
- ✓ Demo support and equipment pricing
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- ✓ Partner portal access
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- ✓ Enhanced technical support
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- ✓ Technical knowledgebase



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