BUILT FOR USERS

DW IP PRODUCT CATALOG | 2025

NDAA/TAA
COMPLIANT PRODUCTS

DW
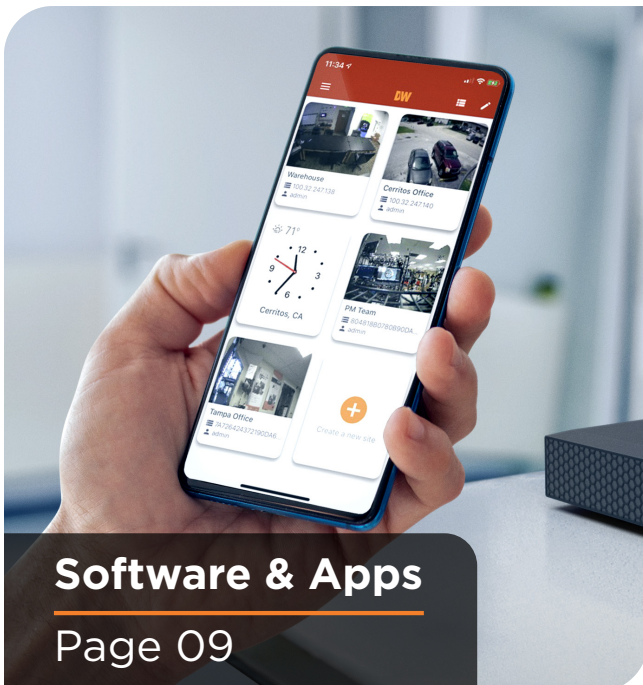DIGITAL WATCHDOG

Blackjack Servers

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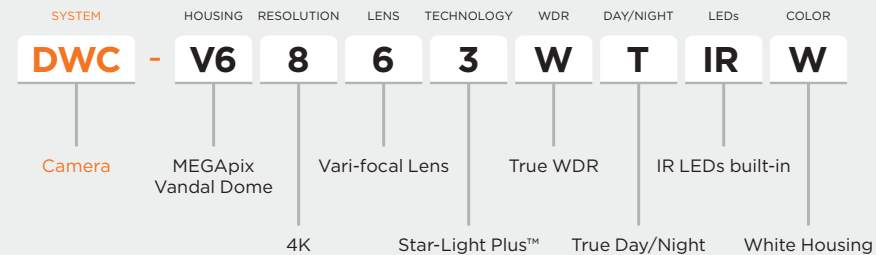# Camera Part Numbering System

IP cameras launched in 2023 and onward

SYSTEM		CLASS	SENSOR	HOUSING	RESOLUTION	LENS	FUNCTION	SPECIALTY (OPTIONAL)
DWC	**-**	**X**	**S**	**DE**	**08**	**M**	**i**	

- Camera
- MEGApix Ai
- Single Sensor
- Low-Profile Vandal Dome
- 4k / 8MP
- Motorized Vari-Focal
- IR LEDs
- Optional Specialty
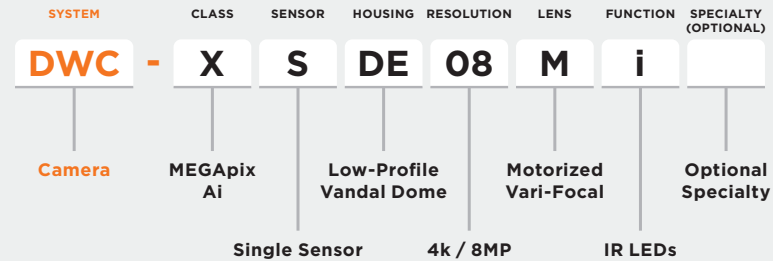
DWC-XSDE08Mi MEGApix Ai, single-sensor vandal dome, 4k, motorized vari-focal lens and IR LEDs

IP cameras launched before 2023

SYSTEM		CLASS	HOUSING	RESOLUTION	WDR	LEDS	LENS	CODEC	COLOR
DWC	**-**	**M**	**V8**	**5**	**W**	**i**	**A**	**T**	**W**

- Camera
- MEGApix
- Vandal Dome
- 5MP
- True WDR
- IR LEDs Built-In
- Vari-Focal with Motorized Zoom
- Triple Codec H.265, H2.64, MJPEG
- White Housing
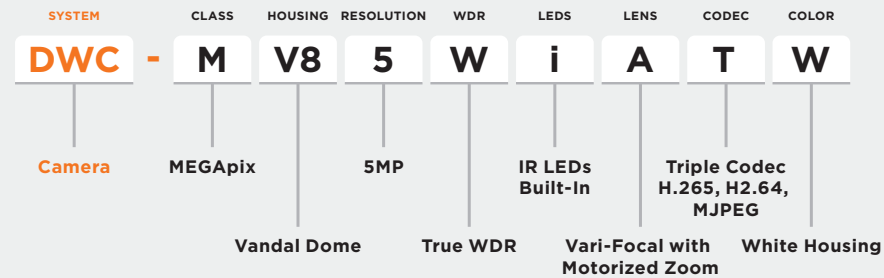
DWC-MV85WiATW MEGApix IVA, vandal dome, 5MP, true WDR, IR LEDs, vari-focal lens with motorized zoom and auto focus, triple codec support, white housing.

SYSTEM		HOUSING	RESOLUTION	LENS	TECHNOLOGY	WDR	DAY/NIGHT	LEDs	COLOR
DWC	**-**	**V6**	**8**	**6**	**3**	**W**	**T**	**IR**	**W**

- Camera
- MEGApix Vandal Dome
- 4K
- Vari-focal Lens
- Star-Light Plus™
- True WDR
- True Day/Night
- IR LEDs built-in
- White Housing

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

CLOUD-OPTIMIZED VIDEO ARCHIVING

Introducing the DW COVA

The DW COVA (Cloud-Optimized Video Archiving) is the newest innovation from Digital Watchdog. This NVR allows you to easily manage and monitor your site remotely through COVA's intuitive user interface and integration with myDW cloud services.

Headless Unit With Easy Setup

The DW COVA is easy to set up and does not require a mouse, keyboard, or monitor to operate. all settings and features are accessible from another device.

Built-in PoE

This NVR can power the cameras directly from the unit. So, no need for more cables or switches and power your cameras.

myDW Integration

myDW gives your COVA access to a wide variety of user management and health monitoring features.

Setup as Easy as 1-2-3!

1 Connect your COVA to devices and power.

2 Use the DW Mobile Plus app to find your COVA.
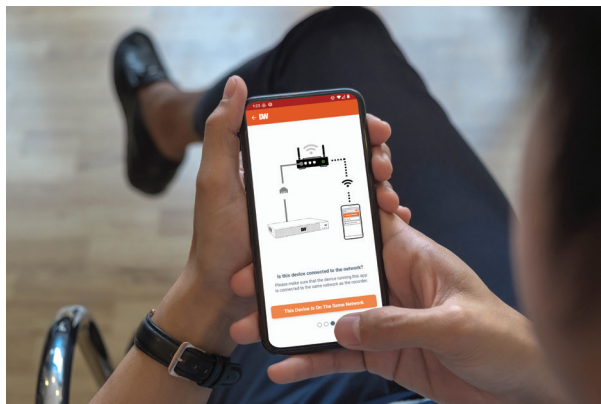
3 Register your COVA to your myDW account.
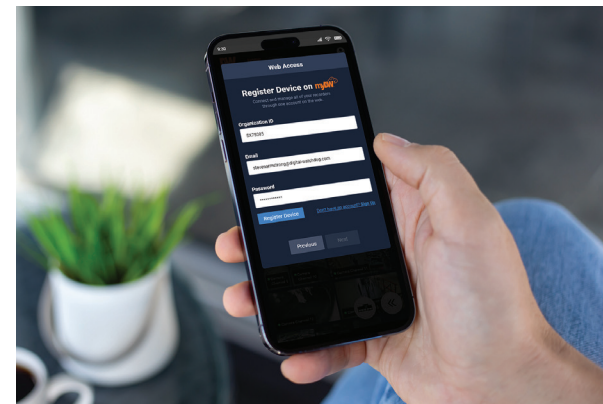
PART NUMBER		DW-COVA16	DW-COVA8	DW-COVA4
Operating system		Embedded Linux		
Video compression		H.265, H.264		
System	Channel	16 channels PoE	8 channels PoE	4 channels PoE
	No. of PoE	16-PoE channels, 100Mbps, 802.3af/at	8-PoE channels, 100Mbps, 802.3af/at	4-PoE channels, 100Mbps, 802.3af/at
Display	Speed	Total 480fps	Total 240fps	Total 120fps
	Screen mode	1, 4, 9, 12 and 16	1, 4 and 9	1 and 4
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. 8K (7680x4320)	IP camera max. 4K (3840x2160)	IP camera max. 4K (3840x2160)
Video output		True HD output, VGA, up to 3840x2160 (4K) local display output		
Recording speed		Up to 480fps up to 4K resolution, max 192Mbps	Up to 240fps up to 4K resolution, max 80Mbps	Up to 120fps up to 4K resolution, max 80Mbps
Recording resolution		Simultaneous dual stream recording		
Audio input/output		16-channels input from supported IP cameras	8-channels input from supported IP cameras	4-channels input from supported IP cameras
Alarm input / Relay output		8-channel inputs / 4-channel outputs	---	---
PTZ control		RS-485, ONVIF	ONVIF	
LAN		1 x Gbps Ethernet (RJ45)		
Power requirements		48V DC, 3.75A	48V DC, 2.5A	48V DC, 1.25A
Power consumption		≤ 20W (without HDD and PoE power supply) 150W total power output on PoE ports	≤ 10W (without HDD) 80W total power output on PoE ports	≤ 10W (without HDD) 48W total power output on PoE ports
Operating temperature		14 ~ 122°F (-10 ~ 50°C)		
Dimension (WxDxH)		14.96" x 10.55" x 1.77"	14.96" x 10.55" x 1.77"	11.81" x 9.8" x 1.77"
Warranty		5 year limited warranty		
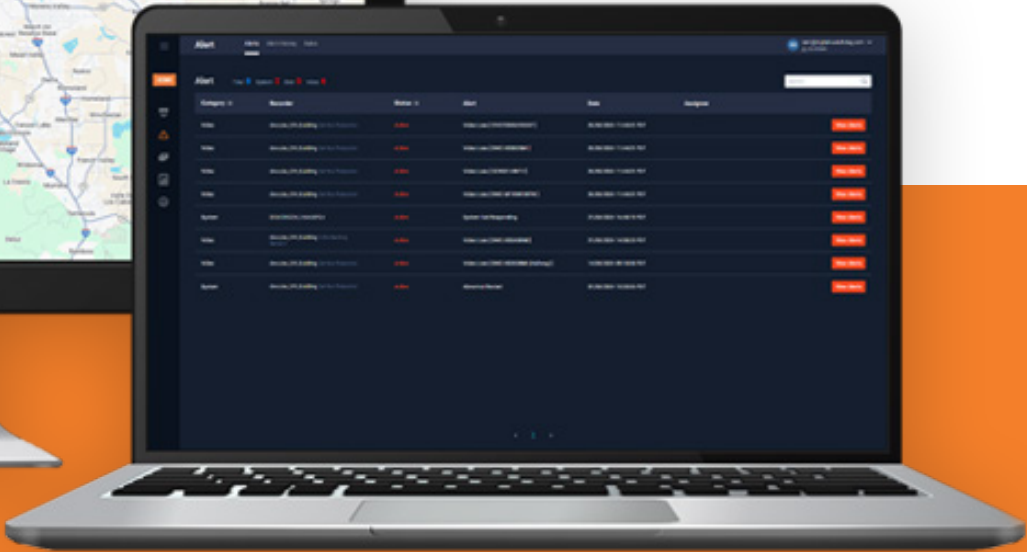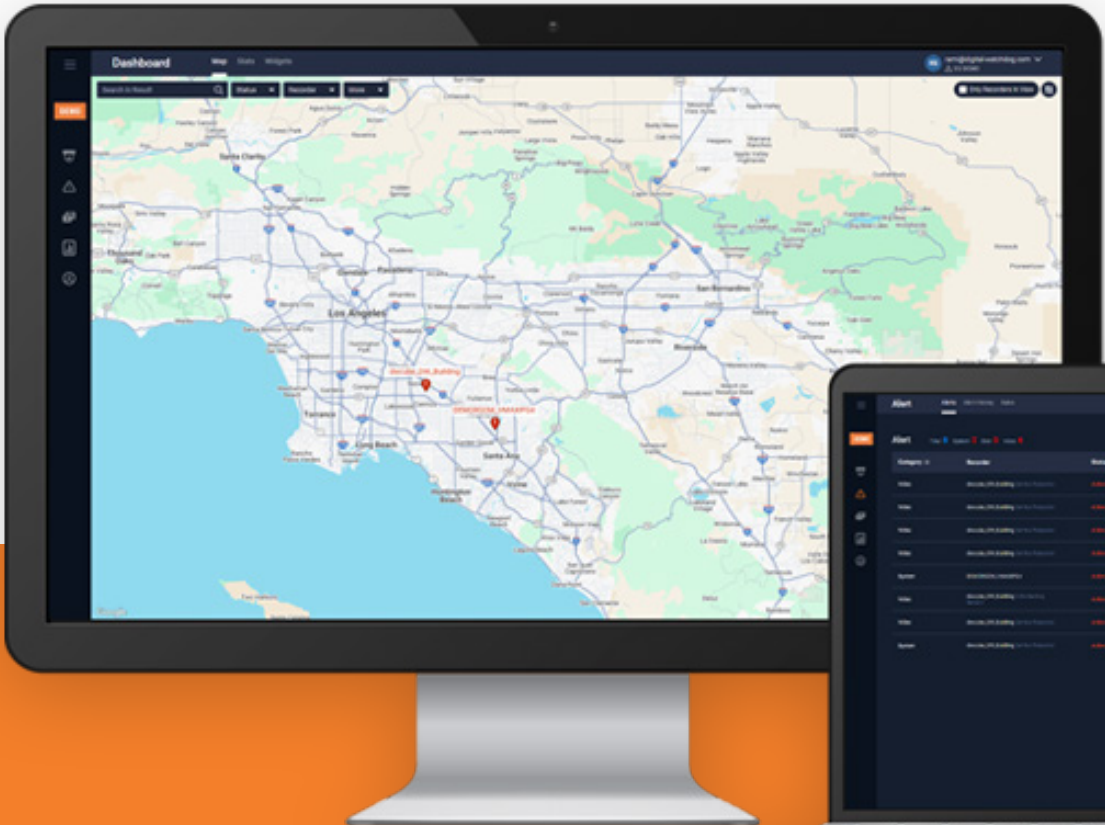
Introducing myDW

myDW cloud management services integrate DW's security solution suite onto a single platform for seamless real-time system management. It is a paid subscription health monitoring cloud service giving integrators and dealers instant access to all their customers' surveillance systems online, on a smartphone and a tablet.

User Management
Manage users from multiple organizations from a single dashboard for easy control over users and access to systems.

Alerts
Create alert rules and receive alerts when something goes wrong with your recorders or cameras.

Video Sharing
Assign events to users and export and share clips of events with your company or law enforcement via the cloud.

Reduced IT Workload
Automated tools and no software to install help reduce overhead and additional IT personnel, saving time and money.

Reports
Create reports that give you detailed health information and insights from your recorders and cameras.

Safe and Secure
With secure connections, there is no need to open ports, and 2FA, myDW makes sure your data is safe.

CLOUD VIDEO MANAGEMENT

DW Spectrum

DW Spectrum Video Management Services is a cloud-based, cutting-edge approach to surveillance, addressing the primary challenges of managing enterprise-level video while offering actionable, data-driven monitoring at the lowest total cost of deployment on the market. DW Spectrum is the foundation of proactive video security solutions.
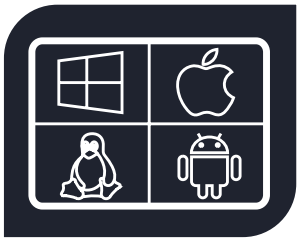
Open Architecture

DW Spectrum is an endlessly customizable platform, tailored for any project or use by anyone on any device.

Future-Proof Infrastructure

DW Spectrum features a hive architecture that ensures your surveillance network is ready to expand, accommodating increasing data and device requirements seamlessly.

DW Cloud™ Connectivity

Connect, access, manage and control your system from anywhere, ensuring a secure, remote connectivity in real-time without geographical limitations.

Standard Advanced Features

Streamline your security solution with a robust, yet simple to deploy powerful features and technology in every DW Spectrum product.

Easy-to-Use Interface

The user-friendly interface empowers operators and users to do more. DW Spectrum's platform enhances cooperation with shared data that is easy to find and understand.

AI-Driven Solution

Add any 3rd party camera or IoT technology partner to ensure a versatile and flexible system that meets your unique needs.

COMMAND| CONTROL | COMMUNICATE

C3 CMS

The C3 is a remote management software suite for DW VMAX recording solutions, providing a powerful and easy-to-use new way to monitor your systems.

SUPPORTED OPERATING SYSTEM: Windows | Mac
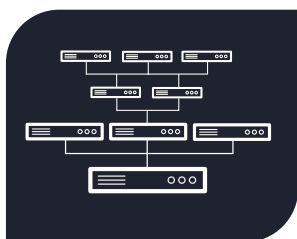
Multiple NVR Connections

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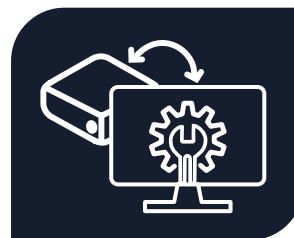
Customizable layouts

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

Free Download; No Fees

C3 CMS is completely free to download, update and use. There are no hidden fees, no licenses and no subscriptions.

Remote NVR Configuration

Remotely configure NVR settings and firmware upgrades.

Easy Video Clip Backup

Quickly export video from all devices on the network easily for archive back-up.

Health Monitor & Event Server

Monitor system health and setup alerts and notifications.

PLUG-AND-PLAY POE NVRS

NVRs with PoE built-in.

NDAA/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.

4K with Local PoE: Record and manage IP cameras at up to 4K with local power for up to 16 IP cameras via resident PoE switch.

Mobile Apps: Access your system remotely or turn your phone into a security camera streaming video to the NVR via the DW Witness app.

NDAA/TAA COMPLIANT PRODUCT

PART NUMBER		DW-VG416xT16P	DW-VG412xT8P	DW-VG49xT4P
Operating system		Embedded Linux		
Video compression		H.265, H.264		
System	Channel	16 channels PoE	8 channels PoE + 4 bonus channels	4 channels PoE + 5 bonus channels, 9
	No. of PoE	16-PoE channels, 1Gbps, 802.3at	8-PoE channels, 100Mbps, 802.3at	4-PoE channels, 100Mbps, 802.3at
Display	Speed	Total 480fps	Total 360fps	Total 270fps
	Screen mode	1, 4, 9, 12 and 16	1, 4, 9 and 12	1, 4 and 9
Max. HDD bay and storage		2x SATA HDD, up to 32TB	2x SATA HDD, up to 32TB	1x SATA HDD, up to 16TB
Video input		IP camera max. 4K (3840x2160)	IP camera max. 4K (3840x2160)	IP camera max. 4K (3840x2160)
Video output		True HD output, VGA, up to 3840x2160 (4K) local display output, RTSP streaming		
Recording speed		Up to 480fps up to 4K resolution, max 160Mbps	Up to 360fps up to 4K resolution, max 80Mbps	Up to 270fps up to 4K resolution, max 40Mbps
Recording resolution		Simultaneous dual stream recording		
Audio input/output		1-channel input / 1-channel output		
Alarm input / Relay output		8-channel inputs / 4-channel outputs	4-channel inputs / 1-channel output	4-channel inputs / 1-channel output
PTZ control		RS-485, ONVIF		
LAN		1 x Gbps Ethernet (RJ45)		
Power requirements		54V DC, 3.33A	48V DC, 2.5A	48V DC, 1.25A
Power consumption		180W total power budget (recorder + PoE ports) 150W, 9.37W per PoE port 30W	120W total power budget (recorder + PoE ports) 96W, 12W per PoE port 30W	60W total power budget (recorder + PoE ports) 48W, 12W per PoE port 30W
Operating temperature		32~113 °F (0~45 °C)		
Dimension (WxDxH)		14.96" x 10.55" x 1.77" (380 x 268 x 45 mm)	14.96" x 10.55" x 1.77" (380 x 268 x 45 mm)	11.81" x 9.8" x 1.77" (300 × 249 × 45 mm)
Warranty		5 year limited warranty		

AI VIDEO SOLUTIONS WITH OBJECT DETECTION AND CLASSIFICATION.
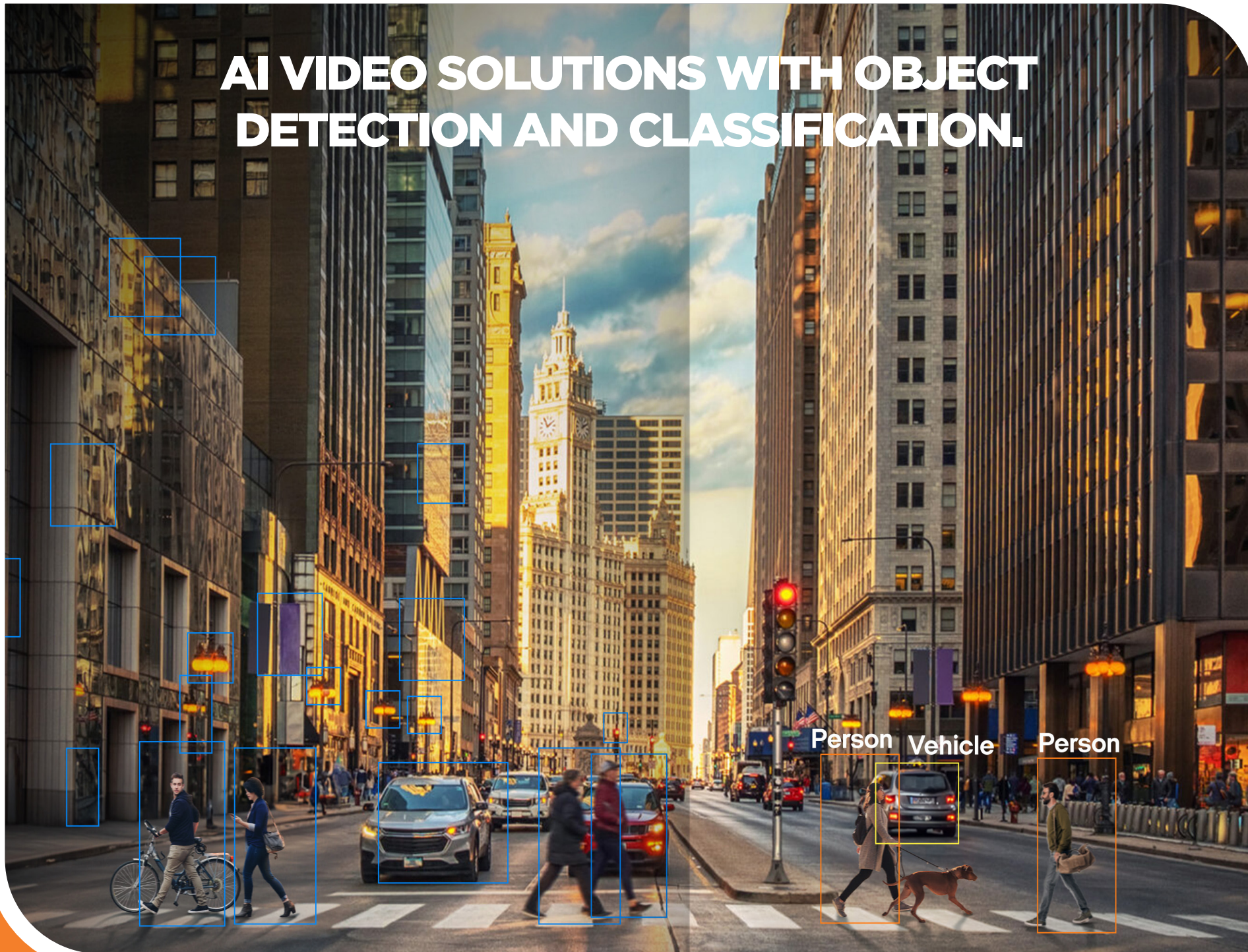
Person

Vehicle

Person

DW Ai Technology

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.
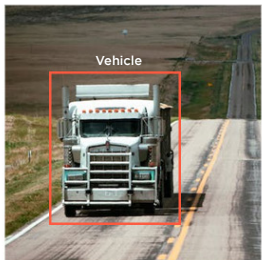
Accurate Object Classification

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

Easy Setup (No 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.

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.
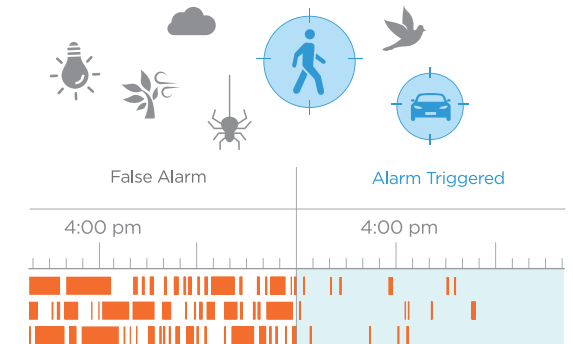
BlackjackAi
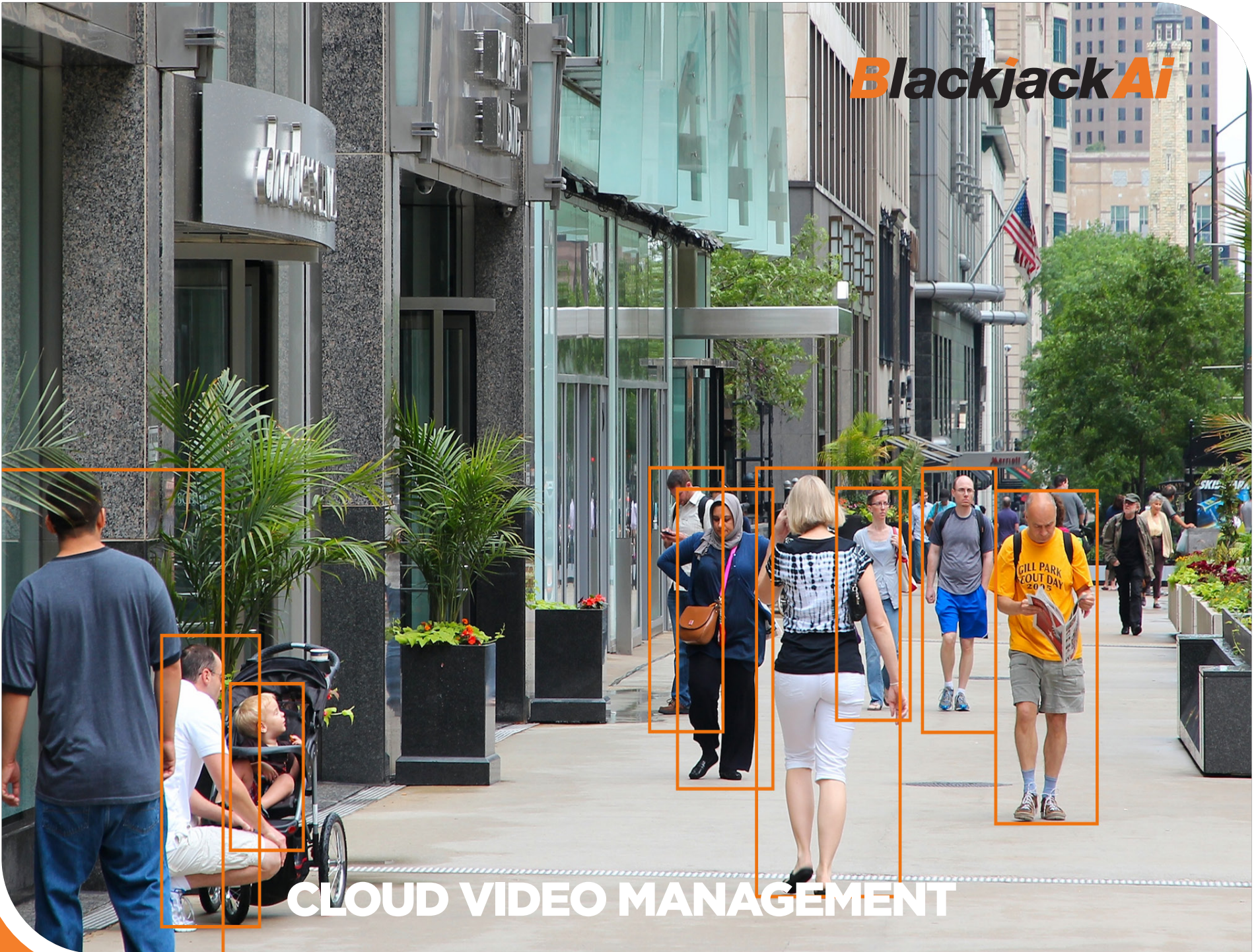
CLOUD VIDEO MANAGEMENT

AI Servers and Appliances

Blackjack Ai Artificial Intelligence servers and appliances are purpose-built solutions with built-in server-side analytics that unlock advanced AI capabilities on any connected video stream. These cost-effective, plug-and-play solutions, with servers powered by DW Spectrum, combine high-performance recording with video analytics in an easy-to-deploy, turnkey solution.

DW Spectrum Servers

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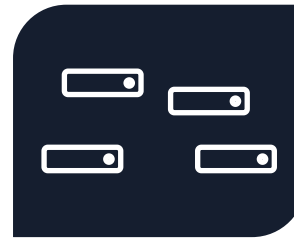
AI Appliances

Blackjack AI Appliances are ideal additions to DW Spectrum systems looking to add AI Deep Learning (DL) to existing video streams.

All-in-One Device

Achieve lower deployment costs with a single device that performs as a server and an Analytics appliance.

Add AI to Any Stream

Bring server-side analytics and machine learning to any video stream, providing comprehensive video analytics in a user-friendly, scalable solution.

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.

Industry-Level Hardware

Available in both desktop and rack-mount solutions with next-generator processors and video cards, allowing users to deploy advanced analytics on up to 64 streams.

All-in-One AI Servers

		Blackjack Ai Rack servers			Blackjack Ai Tower		Blackjack Ai DX		
PART NUMBER		DW-BJAI2R	DW-BJAIR	DW-BJAiP	DW-BJAiT	DW-BJAiDX	DW-BJAiHDX71	DW-BJAiHDX51
Included DW Spectrum IP licenses		8 (2x DW-SPECTRUMLSC004)	8 (2x DW-SPECTRUMLSC004)	4 (1x 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)		4 (1x DW-AiSLSC004)	
Form factor		2U Rackmount	2U Rackmount	2U Rackmount	Full-size Tower	Slim Desktop	Slim Desktop	Slim Desktop
Operating system	Windows 10 64 Bit	DW-BJAI2RxxT	DW-BJAIRxxT	DW-BJAiPxxTR	DW-BJAiTxxTR	DW-BJAiDXxxT	DW-BJAiHDX71xxT	DW-BJAiHDX51xxT
	OS on SSD	2 x 240GB NVMe SSD (RAID1)	2 x 240GB NVMe SSD (RAID1)	480GB SSD	480GB SSD		480GB SSD	
	CPU	Dual XEON Gold 6248R	XEON Gold 6248R	Intel® i7 processor	Intel® i7 processor		Intel® i7 processor	Intel® i5 processor
	Memory	64GB	32GB	32GB	32GB		16GB	16GB
	Ethernet port	2x 10Gb SFP+, 2x 1Gb base-T	2x 10Gb SFP+, 2x 1Gb base-T	2x gigabit Ethernet ports (RJ45)	2x 1G Ethernet	1 x 1Gb Ethernet, 1x 2.5Gb Ethernet	1 x 1Gb Ethernet, 1x 2.5Gb Ethernet	1 x 1Gb Ethernet, 1x 2.5Gb Ethernet
System	Max video storage rate (Mbps)	600Mbps	600Mbps	320Mbps	320Mbps	480Mbps	480Mbps	320Mbps
Storage	Max # of analytic streams (secondary)	Up to 128	Up to 64	Up to 64	Up to 64	Up to 64	Up to 10, Hailo AI edge depp learning processor	
	Maximum hard drives	8x HDD	8x HDD	6 x SATA HDD	6 x 3.5 SATA HDD, Hot-Swappable	2 x 3.5 SATA HDD	2 x 3.5 SATA HDD	2 x 3.5 SATA HDD
	Maximum storage	160TB	160TB	120TB	120TB	40TB	40TB	40TB
	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		1x true HD, 1x DP for system configuration. Maximum 1 display output at a time	
	Video card	NVIDIA RTX A4000 16GB	NVIDIA RTX A4000 16GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB	On board Intel Xe Graphics	
Preloaded VMS software		DW Spectrum						
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**	300W**	300W**	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)	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"	13.1" x 3.88" x 15.8"	13.1" x 3.88" x 15.8"	13.1" x 3.88" x 15.8"
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	5 year limited	5 year limited

Designed and Commissioned in the U.S.A

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

AI Appliances

	Blackjack Ai Rack appliance				Blackjack Ai DX appliance
PART NUMBER	DW-BJAiAR2PA4	DW-BJAiARA4	DW-BJAiAR2PA2	DW-BJAiARA2	DW-BJAiASL
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
Operating system — 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
Storage — Maximum hard drives	---	---	---	---	---
Storage — Maximum storage	---	---	---	---	---
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-Out — 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)				13.1" x 3.88" x 15.8"
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.

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** 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

| | Blackjack Rack servers | | | Blackjack P-Rack servers | | |

NDAA/TAA COMPLIANT PRODUCT

PART NUMBER	DW-BJRR2Y	DW-BJRR2P	DW-BJRR2U	DW-BJPR2U	DW-BJP2U	DW-BJP1U
Included IP licenses	8 (2x DW-SPECTRUMLSC004)			4 (1x DW-SPECTRUMLSC004)		
Form factor	Rackmount			Rackmount		
Operating system — Windows 10 IoT	DW-BJRR2YxxT	DW-BJRR2PxxT	DW-BJRR2UxxT	DW-BJPR2UxxT	DW-BJP2UxxT	DW-BJP1UxxT
Operating system — Windows Server	DW-BJRR2YxxTLX	DW-BJRR2PxxTS	DW-BJRR2UxxTS	---	---	---
Operating system — Linux Ubuntu LTS	DW-BJRR2YxxTS	DW-BJRR2PxxTLX	DW-BJRR2UxxTLX	DW-BJPR2UxxT-LX	DW-BJP2UxxT-LX	DW-BJP1UxxT-LX
Operating system — 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	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	12x HDD		6 x HDD	7 x HDD	3 x HDD
Storage — Maximum storage	520TB	240TB		120TB	120TB	60TB
Storage — (RAID)	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-Out — Video card	NVIDIA T400 2GB	Nvidia Quadro		GeForce 210		
Video-Out — Resolution	---			---		
Preloaded VMS software	DW Spectrum			DW Spectrum		
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

NDAA/TAA COMPLIANT PRODUCT

PART NUMBER		DW-BJTR715 DW-BJTR716	DW-BJT71	DW-BJMX	DW-BJCX
Included IP licenses		4 (1x DW-SPECTRUMLSC004)	4 (1x DW-SPECTRUMLSC004)	---	4 (1x DW-SPECTRUMLSC004)
Form factor		Tower full-size	Tower full-size	Slim desktop	PoE server
Operating system	Windows 10	DW-BJTR715xxT, DW-BJTR716xxT	DW-BJT71xxT	DW-BJMX	---
	Windows Server	DW-BJTR715xxTS, DW-BJTR716xxTS	---	---	---
	Linux Ubuntu	DW-BJTR715xxTLX, DW-BJTR716xxTLX	DW-BJT71xxTLX	---	DW-BJCXxT-LX
	OS on SSD	240GB SSD	240GB SSD	NVMe 500GB SSD	m.2 SSD
CPU		Intel® i7 processor	Intel® i7 processor	Intel® N100 processor	Intel® Celeron processor
Memory		16GB	16GB	16GB	8GB
Ethernet port		2x 1G Ethernet	2x 1G Ethernet	2 x 2.5GbE ethernet ports (RJ45)	2x 1G Ethernet ports (RJ45) 16 PoE/PoE+ ports, 8 virtual channels, max total 24 cameras
System	Max video storage rate (Mbps)	RAID5: 600Mbps RAID6: 420Mbps	600Mbps	120 Mbps	80 Mbps
Storage	Maximum hard drives	7 x HDD	7 x HDD	1 x 1.92TB SSD	2x 3.5" SATA HDD
	Maximum storage	140TB	140TB	2TB	40TB
	RAID	RAID5, RAID6 options	---	---	---
Video-Out	Outputs	1x true HD, 1x DVI, 1x DP outputs for setup and configuration. 1 output at a time.		1 x true HD, 1 x DP, 1 x VGA for system configuration. 1 output at a time.	1x true HD, 1x DVI-I for system configuration. 1 display output at a time.
	Video card	Onboard Intel Graphics	Onboard Intel Graphics	Onboard Intel UHD Graphics	---
	Resolution	---	---	---	4096 x 2160
Preloaded VMS software		DW Spectrum			
Remote clients		Cross-platform - Windows, Linux Ubuntu and Mac			
Mobile apps		iOS and Android	iOS and Android	iOS® and Android®	iOS and Android
Keyboard and mouse		Included	Included	Included (mini keyboard)	Included
Rail kit		---	---	Wing brackets included	Wall mount and rack mount ears available. Sold separately
Power supply		500W**	500W**	65W 19V Adapter bundled Input: 100- 240V AC Output: 19V/3.42A or 12V/5.42A DC	410W**
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)	32°F~104°F (0°C-40°C)
Dimension (WxDxH) (inches)		8.6" x 19.12" x 16.83"	8.6" x 19.12" x 16.83"	6.49" x 7.48" x 1.69" (165 x190x x 43 mm)	16.92" x 11.75" x 13.7"
Field repair kit		---	---		---
Warranty		5 year limited	5 year limited		5 year limited

Designed and Commissioned in the U.S.A

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

Servers and Workstations

		Blackjack DX Series				Blackjack Tower workstations	
PART NUMBER		DW-BJDX7	DW-BJDX5	DW-BJDX3	DW-BJDX1	DW-BJMTC74	DW-BJMTC72
Included IP licenses		4 (1x DW-SPECTRUMLSC004)				---	---
Form factor		Slim desktop				Tower mid-size	Tower mid-size
Operating system	Windows 10	DW-BJDX71xxT	DW-BJDX51xxT	DW-BJDX31xxT	---	DW-BJMTC7404T	DW-BJMTC5204T
	Windows Server	---	---	---	---	---	---
	Linux Ubuntu	---	DW-BJDX51xxT-LX	DW-BJDX31xxT-LX	DW-BJDX11xxT-LX	---	---
	OS on SSD	m.2 SSD			---	240GB SSD	240GB SSD
CPU		Intel® i7 processor	Intel® i5 processor	Intel® i3 processor	Intel® Celeron processor	Intel® i7 processor	Intel® i5 processor
Memory		16GB	16GB	8GB	8GB	32GB	16GB
Ethernet port		1x 1G Ethernet (RJ45), 1x 2.5G Ethernet (RJ45)			2x 1G Ethernet ports (RJ45)	1 x 1G Ethernet	1 x 1G Ethernet
System	Max video storage rate (Mbps)	480 Mbps	360 Mbps	180 Mbps	80 Mbps	---	---
Storage	Maximum hard drives	2 x 3.5 SATA HDD				---	---
	Maximum storage	40TB				---	---
	RAID	---				---	---
Video-Out	Outputs	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 output at a time.	Four outputs with DP and True HD	Four outputs with DP and True HD
	Video card	Onboard Intel HD Graphics				NVIDIA RTX	NVIDIA GTX
	Resolution	True HD: 4096x2160@60Hz, DP: 7680x4320@60Hz, 5120x3200@120Hz			True HD: 4096x2160@60Hz, DVI-D: 1920x1200@60Hz, D-Sub: 1920x1200@60Hz	7680x4320	7680x4320
Preloaded VMS software		DW Spectrum					
Remote clients		Cross-platform - Windows, Linux Ubuntu and Mac				---	---
Mobile apps		iOS and Android				---	---
Keyboard and mouse		Included				Included	Included
Rail kit		---				---	---
Power supply		300W**				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)
Dimension (WxDxH) (inches)		13.1" x 3.88" x 15.8"				7.46" x 15.7" x 14.21"	7.46" x 15.7" x 14.21"
Field repair kit		---				---	---
Warranty		5 year limited					

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

Designed and Commissioned in the U.S.A

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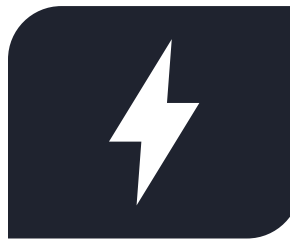
Lightning-Fast Analytics: DW's edge-Ai engine places the processing power as close to the source as possible, applying the analytics to the video on the spot rather than once it arrives on the server, speeding up response time, increasing efficiency and reducing overall cost.

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

NDAA/TAA COMPLIANT PRODUCT

PART NUMBER		DWC-XSWA08Bi	DWC-XSDE08Mi	DWC-XSBA08Mi	DWC-XSBC08Bi	DWC-XSBF08LiF	DWC-XSBJ08Mi	DWC-XSDJ08Mi
Image	Image sensor	4K 1/1.8" Star-Light Plus sensor	4K 1/2.8" Star-Light Plus sensor					
	Total pixels	3856(H) X 2200(V)	3864(H) x 2228(V)		3856(H) X 2200(V)	3864(H) x 2228(V)	3864(H) x 2228(V)	
	Minimum scene illumination	0.15 lux (color)	0.09 lux (color)		0.15 lux (color)	0.12 lux (color)	0.09 lux (color)	
		0 lux (B/W)	0 lux (B/W)		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	
Audio input/ output		1 microphone built-in, 1 line in, 1 line out	1 microphone built-in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 microphone built-in, 1 line in, 1 line out		
Lens	Focal length	2.3mm	2.7~13.5mm		2.3mm	6-22mm	2.7~13.5mm	2.7~13.5mm
	Lens type	Ultra-wide fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus		Ultra-wide fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus		
	IR distance	100ft range	100ft range	140ft range	100ft range	130ft range + 4-color LEDs	110ft range	110ft range
	Angle of view	175°	33.1°~90.3°	33.1°~90.3°	175°	18.1° - 49.3°	33.1°~90.3°	33.1°~90.3°
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					
	Video 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
	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 and any ONVIF conformant VMS						
Environmental	Housing	Wall-mounted	Low-profile vandal dome	Bullet	Bullet	Bullet	Bullet with junction box	Vandal dome with junction box
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C), ColdStart -40°F on DC only	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)	
	IP rating	IP67-rated				IP66-rated	IP67-rated	
	IK rating	IK 10-rated impact-resistant						
	Other certifications	FCC, CE, UL-listed, NDAA compliant, TAA compliant						
Electrical	Power requirements	DC12V, PoE, PoE adapter not included						
	Power consumption	DC12V: max 9.6W PoE: max 11.6W	DC12V: 10.2W PoE: 12.5W	DC12V: 13.2W, 1.1A PoE: 14.8W, 0.308mA	DC12V: max 21.9W PoE: max 9.2W	DC1V: max 36.0W, 3.0A PoE: max 46.4W, 860mA	DC: max 13.1W, 1.09A PoE: max 15.0W, 312.5mA	
Mechanical	Dimensions	6.29" x 4.86" x 3.54"	4.92" x 3.62"	12.2" x 3.81"	5.03" x 8.75" x 3.8"	10.23" x 10.19" x 6.14"	11.37" x 5.78"	5.74" x 5.11"

Dual-sensor camera — DWC-PDS10Wi28A

White light and red/blue alarm — WHITE LIGHT TECHNOLOGY

NDAA/TAA COMPLIANT PRODUCT

	PART NUMBER	DWC-PDS10Wi28A *Ai plugin on 1 CH only	DWC-XSTD05MF	DWC-XSDH05Mi	DWC-XSTD05Mi	DWC-XSTD05Bi	DWC-XSDA05Bi
Image	Image sensor	2x 5MP 1/2.8″ Star-Light Plus CMOS	5MP 1/2.8″ Star-Light Plus CMOS sensor				
	Total pixels	2x 2704(H) X 2104(V)	2608(H) X 1984(V)	2608(H) X 1984(V)	2608(H) X 1984(V)	2608(H) X 1984(V)	2704(H) X 2104(V)
	Minimum scene illumination	0.13 lux (color)	0.03 lux (color)	0.04 lux (color)	0.04 lux (color)	0.08 lux (color)	0.13 lux (color)
		0 lux (B/W)	0 lux (White light)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
Audio input/ output		1 microphone built-in/1 line out	1 microphone built-in/ 1 speaker built-in	1 microphone built-in/1 line out	1 microphone built-in/1 line out	1 microphone built-in/1 line out	---
Lens	Focal length	2x 2.8mm	2.7-12mm	2.7-13.5mm	2.7-13.5mm	2.8mm	2.8mm
	Lens type	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	Fixed lens
	IR distance	60ft range	90ft range white light	100ft range	100ft range	100ft range	80ft range
	Angle of view	2x 102.4°	31.5°~89.9°	31.6°~98.3°	31.6°~98.3°	97.7°	102.4°
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction					
	Wide dynamic range	True WDR					
	Day and night	True D/N	Color only	True D/N	True D/N	True D/N	True D/N
	Privacy zones	16 privacy masks					
	Video 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
	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 and any ONVIF conformant VMS					
Environmental	Housing	Dual-sensor vandal dome	Vandal ball turret	Low-profile vandal dome	Vandal ball turret	Vandal ball turret	Ultra low-profile vandal dome
	Operating temperature	-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, NDAA compliant, TAA compliant					
Electrical	Power requirements	DC12V, PoE, PoE adapter not included					
	Power consumption	12V DC: 9.9W PoE: 11.6W	12V DC: 12W PoE: 15.8W	DC: max 8.5W PoE: max 11W	DC: max 8.5W PoE: max 11W	DC: max 7.5W PoE: max 9.5W	DC12V: 7.1W PoE: 9.6W
Mechanical	Dimensions	5.47″ x 3.12″	4.92″ x 4.79″	4.92″ x 3.93″	4.92″ x 4.79″	4.92″ x 4.79″	4.13″ x 2.4″

PTZ cameras

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DWC-XSBA05Mi	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)	0.08 lux (color)	0.04 lux (color)
		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	5 ~50mm	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	
	IR distance	140ft range	120ft range	120ft range
	Angle of view	31°~96°	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		
	Video 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
	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 and any ONVIF conformant VMS		
Environmental	Housing	Bullet	Bullet	
	Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)	
	IP rating	IP67-rated		
	IK rating	IK 10-rated impact-resistant		
	Other certifications	FCC, CE, UL-listed, NDAA compliant, TAA compliant		
Electrical	Power requirements	DC12V, PoE, PoE adapter not included		
	Power consumption	DC12V: 13.2W PoE: 14.4W	12V DC: 8.8W PoE: 11.1W	12V DC: 8.8W PoE: 11.1W
Mechanical	Dimensions	12.2" x 3.81"	7.77" x 3.38"	

PART NUMBER		DWC-XPZA08Mi	DWC-XPZA03Mi
Image	Image sensor	4K 1/1.8" Star-Light Plus CMOS sensor	3MP 1/1.8" Star-Light Plus CMOS sensor
	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	Video analytics	Humans, vehicles, locked targets	
	Analytics filters	Motion detection, object detection and tracking, face detection, intrusion, missing object, abandoned object, line counting, ANPR, vehicle speed, direction, defocus, blurring.	
	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 and any 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, NDAA, TAA	
Electrical	Power requirements	DC12V, PoE, PoE adapter included	
	Power consumption	24V AC: 48.62W, PoE: 39.05W	
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

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 solution.

CaaS
CAMERA AS A SYSTEM

Camera as a System: The CaaS solution supports multiple cameras in the same network and unlimited systems, all accessible and manageable via 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

NDAA/TAA COMPLIANT PRODUCT

PART NUMBER		DWC-XSDE08MiC1	DWC-XSBA08MiC1	DWC-XSBC08BiC1	DWC-XSTD05MFC1	DWC-XSBA05LiPC1
Image	Image sensor	4K 1/2.8" Star-Light Plus CMOS sensor			5MP 1/2.8" Star-Light Plus CMOS sensor	
	Total pixels	3864(H) x 2228(V)		3856(H) X 2200(V)	2704(H) X 2104(V)	2704(H) X 2104(V)
	Minimum scene illumination	0.09 lux (color)		0.15 lux (color)	0.07 lux (color)	0.1 lux (color)
		0 lux (B/W)		0 lux (B/W)	0 lux (White light)	0 lux (B/W)
Audio input/ output		1 microphone built-in/1 line out	1 line in, 1 line out	1 line in, 1 line out	1 microphone, 1 speaker built-in	1 line in, 1 line out
Lens	Focal length	2.7-13.5mm		2.3mm	2.7-12mm	6-50mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus		Ultra-wide fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus	
	IR distance	100ft range	140ft range	100ft range	90ft range white light	130ft range
	Angle of view	33.1°~90.3°	33.1°~90.3°	175°	31.5°-89.9°	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			Color only	True D/N
	Motion detection	Yes				---
	Privacy zones	16 privacy masks				
	Video analytics	Deep Learning object tracking				Deep learning object tracking, ANPR, make, model and color (MMCR).
	Analytics filters	Detection zones and lines, logical rules, tamper, intrusion, counting, counting lines, appear, disappear, stopped, enter, exit, tailgating, dwell, logical rules, direction, metadata.				Detection zones and lines, logical rules, tamper, intrusion, counting, counting lines, appear, disappear, stopped, enter, exit, dwell, logical rules, direction, metadata.
	Alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input	1 alarm input
	Alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output	1 alarm output
Network	Video compression	H.265, H.264, MJPEG				
	Frame rate	30fps at all resolutions				
	Streaming capability	Simultaneous triple streaming				
	Video management software	DW Spectrum				
	Licenses included	1x DW Spectrum CaaS license included				
	Local server recording	1TB				
Environmental	Housing	Low-profile vandal dome	Bullet	Bullet	Vandal ball turret	Bullet
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C), ColdStart -40°F on DC only	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)
	IP rating	IP67-rated				
	IK rating	IK 10-rated impact-resistant				
	Other certifications	FCC, CE, UL-listed, ROHS, NDAA, TAA				
Electrical	Power requirements	DC12V, PoE, PoE adapter not included				
	Power consumption	DC12V: 10.2W, PoE: 12.5W	DC12V: 13.2W, PoE: 14.8W	DC12V: 21.9W, PoE: 9.2W	12V DC: 12W, PoE: 15.8W	DC12V: 13.2W, PoE: 14.4W
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"	12.2" x 3.81"

MEGApix Ai

MEGApix Ai ALPR IP camera.

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.

ALPR cameras convert 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.

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DWC-XSBA05LiP
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
	Video analytics	Deep learning object tracking, ALPR, make, model and color (MMCR).
	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
	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 and any 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, NDAA TAA
Electrical	Power requirements	DC12V, PoE, PoE adapter not included
	Power consumption	DC12V: 13.2W, PoE: 14.4W
Mechanical	Dimensions	12.2″ x 3.81″

MEGApix Ai

MEGApix AI with QR code reader

The QR code reader plugin detects and registers QR codes in the camera's field of view, creating a database manageable from DW Spectrum.
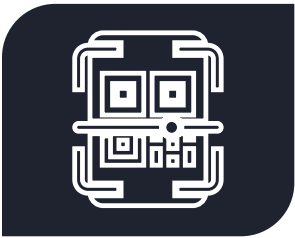
QR code reader detects and registers codes in the FoV with **green LED visual verification.**
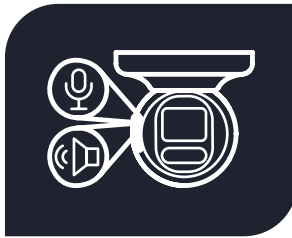
Built-in microphone and speaker and flash LEDs for an **all-in-one crime logistics solution.**

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DWC-XSTD05MFQ
Image	Image sensor	5MP 1/2.8″ Star-Light Plus CMOS sensor
	Total pixels	2608(H) X 1984(V)
	Minimum scene illumination	0.03 lux (color)
		0 lux (White light)
Audio input/ output		1 microphone built-in/ 1 speaker built-in
Lens	Focal length	2.7-12mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
	IR distance	90ft range white light
	Angle of view	31.5°~89.9°
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction
	Wide dynamic range	True WDR
	Day and night	Color only
	Privacy zones	16 privacy masks
	Video analytics	Deep Learning object tracking
	Analytics filters	QR code reader
	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 and any ONVIF conformant VMS
Environmental	Housing	Vandal ball turret
	Operating temperature	-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, NDAA, TAA
Electrical	Power requirements	DC12V, PoE, PoE adapter not included
	Power consumption	12V DC: 12W, PoE: 15.8W
Mechanical	Dimensions	4.92″ x 4.79″

2.1MP IP Video Intercom Door Station

The MEGApix Intercam 2.1MP/1080p IP intercom door station streamlines door access management by combining video, audio and person detection alerts.

Person detection for intelligent alarm and recording management.
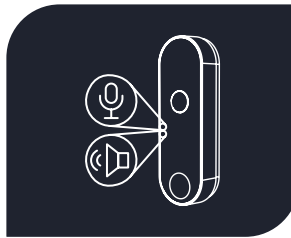
Video tampering detection and alarm with scene change, blur and abnormal color detection.

NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-INTCAM02
Image	Image sensor	2.1MP/1080p 1/2.8" CMOSsensor
	Total pixels	1920x1080
	Minimum scene illumination	0 lux (white LED on)
Audio input/ output		1 built-in speaker, 1 microphone built-in
Lens	Focal length	2.3mm
	Lens type	Fixed lens
	LEDs distance	IR distance: 1ft - 10ft (0.3 - 3m) range White light distance: 1ft - 3ft (0.3 - 1m) range
	Angle of view	139°
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction
	Wide dynamic range	True WDR
	Day and night	True D/N
	Privacy zones	Yes
	Video analytics	---
	Analytics filters	Person detection
	Alarm input	1 alarm input
	Alarm output	1 door lock output, doorbell button
Network	Video compression	H.265, H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions
	Streaming capability	Simultaneous multi-streaming
	Onboard storage	Micro SD/SDHC/SDXC cards (card not included)
	Video management software	DW Spectrum
Environmental	Housing	Door station
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
	IP rating	IP65-rated
	IK rating	---
	Other certifications	FCC, CE, NDAA compliant
Electrical	Power requirements	DC12V, PoE, PoE adapter included
	Power consumption	<6W
Mechanical	Dimensions	5.9" x 1.96" x 1.17"

MEGApix FLEX™

MEGApix Flex 4-in-1 customizable IP camera.

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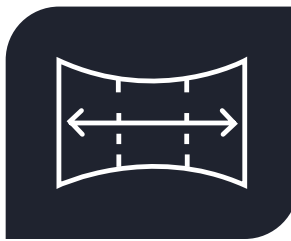
Versatile lens installation: Replace multiple single-sensor cameras with greater ROI. The camera can enhance any application and cover any area needed with no blind spots.

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DWC-PVX20WATX
Image	Image sensor	4x 1/2.8" 5.14MP Star-Light Plus CMOS
	Total pixels	4x 2592(H) x 1944(V)
	Minimum scene illumination	0.05 lux (color) 0.1 lux (B/W)
Audio input/ output		1 line in, 1 line out
Lens	Focal length	4x 2.8 ~ 8.0mm
	Lens type	Vari-focal lens with motorized zoom and auto-focus
	Angle of view	4x 51° ~ 93°
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction
	Wide dynamic range	True WDR
	Day and night	True D/N
	Motion detection	Yes
	Alarm input	1 alarm input
	Alarm output	1 alarm output
Network	Video compression	H.265, H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions
	Streaming capability	Simultaneous multi-streaming
	Onboard storage	4x Micro SD/SDHC/SDXC cards (card not included)
	Video management software	DW Spectrum and any ONVIF conformant VMS
Environmental	Housing	Outdoor vandal dome
	Operating temperature	-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, NDAA, TAA
Electrical	Power requirements	DC12V, PoE, PoE adapter included
	Power consumption	DC12V: 28W, PoE: 31W
Mechanical	Dimensions	8.26" x 3.61"

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

NDAA COMPLIANT PRODUCT

	PART NUMBER	DWC-MVC8WiATW	DWC-MVC8Wi28TW	DWC-MB48WiATW	DWC-MVD8WiATW	DWC-MVD8Wi28TW	DWC-MBW8Wi2TX
Image	Image sensor	4K 1/2.8″ Star-Light Plus CMOS					4K 1/1.8" Star-Light Plus™ CMOS sensor
	Total pixels	3864(H) x 2228(V)	3952 (H) x 2320 (V)	3952 (H) x 2320 (V)	3864(H) x 2228(V)	3952 (H) x 2320 (V)	3952 (H) x 2320 (V)
	Minimum scene illumination	0.043 lux (color)	0.18 lux (color)	0.09 lux (color)	0.09 lux (color)	0.12 lux (color)	0.29 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
	Audio input/ output	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out
Lens	Focal length	2.7~13.5mm	2.8mm	2.7-13.5mm	2.7-13.5mm	2.8mm	2.3mm
	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	Ultra-wide fixed lens
	IR distance	100ft range	100ft range	140ft 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°	175°
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					---
	Analytics filters	Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.					
	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
Network	Video compression	H.265, H.264, MJPEG					
	Frame rate	30fps at all resolutions					
	Streaming capability	Simultaneous dual-streaming					
	Onboard storage	Micro SD / SDHC / SDXC (card not included)					
	Video management software	DW Spectrum and any ONVIF conformant VMS					
Environmental	Housing	Low-profile vandal dome	Low-profile vandal dome	Bullet	Vandal ball turret	Vandal ball turret	Bullet
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)		-40°F ~ 122°F (-40°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)		-4°F ~ 122°F (-20°C ~ 50°C)
	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		---
	Other certifications	FCC, CE, UL-listed, NDAA					
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: 8.9W, PoE: 12.3W
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″	5.03″ x 8.75″ x 3.8″

MEGApix LPR

LPR IP cameras use License plate recognition technology captures reflective license plates in B/W with reliable performance under challenging lighting conditions.

LPR cameras can capture images of license plates from moving cars at up to 50mph.
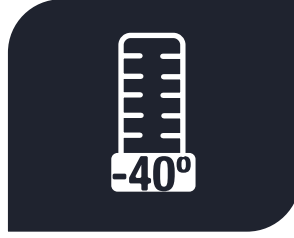
The camera will power up at temperatures **as low as -40°F**, making them ideal for harsh environments and outdoor installations.

NDAA
COMPLIANT PRODUCT

PART NUMBER		DWC-MB45iALPRTX
Image	Image sensor	5MP 1/2.8″ Star-Light Plus CMOS sensor
	Total pixels	2592(H) X 1944(V)
	Minimum scene illumination	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	80ft range
	Angle of view	6.9°~40.8°
Operational	Day and night	B/W only
	Privacy zones	16 privacy masks
	Capture image range	Up to 60′
	Max. vehicle speed	50mph
	Alarm input	1 alarm input
	Alarm output	1 alarm output
Network	Video compression	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 and any ONVIF conformant VMS
Environmental	Housing	Bullet
	Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)
	IP rating	IP66-rated
	IK rating	IK 09-rated impact-resistant
	Other certifications	FCC, CE, UL-listed, NDAA
Electrical	Power requirements	DC12V, PoE, PoE adapter not included
	Power consumption	DC12V: 9W, PoE: 10.5W
Mechanical	Dimensions	9.73″ x 3.8″

5MP cameras

NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-MVA5WiATX	DWC-MVA5Wi28TX	DWC-MV85WiATW	DWC-MF5Wi4TW DWC-MF5Wi6TW DWC-MF5Wi8TW	DWC-MV75Wi28TW DWC-MV75Wi4TW DWC-MV75Wi6TW
Image	Image sensor	5MP 1/2.8″ Star-Light Plus CMOS				
	Total pixels	2592(H) X 1944(V)				
	Minimum scene illumination	0.08 lux (color)	0.13 lux (color)	0.08 lux (color)	0.16 lux (color)	Color: 0.13 lux (DWC-MV75Wi28TW) 0.16 lux (DWC-MV75Wi4TW/6TW)
		0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)
	Audio input/ output	---	---	1 line in, 1 line out	1 line in, 1 line out	---
Lens	Focal length	2.7-13.5mm	2.8mm	2.7 ~ 13.5mm	4.0mm (DWC-MF5Wi4TW) 6.0mm (DWC-MF5Wi6TW) 8.0mm (DWC-MF5Wi8TW)	2.8mm (DWC-MV75Wi28TW) 4.0mm (DWC-MV75Wi4TW) 6.0mm (DWC-MV75Wi6TW)
	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	Fixed lens	Fixed lens
	IR distance	100ft range	100ft range	100ft range	50ft range	80ft range
	Angle of view	31° ~ 85°	103°	31° ~ 96°	82.3° (DWC-MF5Wi4TW) 51.9° (DWC-MF5Wi6TW) 37.8° (DWC-MF5Wi8TW)	102.4° (DWC-MV75Wi28TW) 82.3° (DWC-MV75Wi4TW) 51.9° (DWC-MV75Wi6TW)
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				
	Analytics filters	Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.				
	Alarm input	---	---	1 alarm input	1 alarm input	---
	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 and any ONVIF conformant VMS				
Environmental	Housing	Vandal ball turret	Vandal ball turret	Low-profile vandal dome	Ultra low-profile vandal dome	Ultra low-profile vandal dome
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)				
	IP rating	IP67-rated		IP66-rated		IP67-rated
	IK rating	IK 10-rated impact-resistant				
	Other certifications	FCC, CE, UL-listed, NDAA				
Electrical	Power requirements	DC12V, PoE, PoE adapter not included				
	Power consumption	DC12V: 7.1W, PoE: 8.5W	DC12V: 6.5W, PoE: 7.8W	DC12V: 7.4W, PoE: 8.7W	DC12V: 5.9W, PoE: 7.2W	DC12V: 6W, PoE: 7.2W
Mechanical	Dimensions	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″

Height strip camera

5MP cameras

PART NUMBER		DW-MHS5W37T DW-MHS5W37TM	DWC-MV45WiATW	DWC-MB45Wi650TW	DWC-MB45WiATX	DWC-MB75Wi4TW
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)			2560 (H) x 1440 (V)
	Minimum scene illumination	0.26 lux (color)	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)	0.16 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	---
Lens	Focal length	3.7mm, F2.5	2.7 ~ 13.5mm	6~50mm	2.7 ~ 13.5mm	4.0mm
	Lens type	Fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus			Fixed lens
	IR distance	---	100ft range	140ft range	140ft range	100ft range
	Angle of view	87.6°	31° ~ 96°	6.9° ~ 40.8°	31° ~ 85°	82.3°
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				
	Analytics filters	Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.				
	Alarm input	---	1 alarm input	1 alarm input		---
	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 and any ONVIF conformant VMS				
Environmental	Housing	Height Strip	SnapIt™ vandal dome	Bullet	Bullet	Bullet
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)	-40°F ~ 122°F (-40°C ~ 50°C)			-4°F ~ 122°F (-20°C ~ 50°C)
	IP rating	---	IP68-rated	IP66-rated		IP67-rated
	IK rating	---	IK 10-rated impact-resistant	IK 9-rated impact-resistant		---
	Other certifications	FCC, CE, UL-listed, NDAA				
Electrical	Power requirements	DC12V, PoE, PoE adapter not included				
	Power consumption	DC12V: 4W, PoE: 4.8W	DC12V: 8.3W, PoE: 10.5W	DC12V: 9W, PoE: 10.5W	DC12V: 9W, PoE: 10.5W	DC12V: 6.5W, PoE: 8.3W
Mechanical	Dimensions	1.85″ x 1.45″ x 33.85″	5.47″ x 4.93″	9.73″ x 3.8″	9.73″ x 3.8″	6.41″ x 2.65″

2.1MP/1080p cameras

Pinhole camera

DWC-MVA2WiAT	DWC-MVA2Wi28T	DWC-MV82WiATW	DWC-MF2Wi28TW DWC-MF2WI4TW	DWC-MV72Wi28ATW	DWC-MV72Wi28TW	DWC- MB72Wi4TW	DWC-MPH2W28TW
2.1MP/1080p 1/2.8" Star-Light Plus CMOS							2.1MP/1080p 1/2.8" Star-Light Plus™ CMOS
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)
0.043 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)	0.09 lux (color) 0.0 lux (B/W)	0.05 lux (color) 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	---	---	---
2.7 ~ 13.5mm	2.8mm	2.8 ~ 12mm	2.8mm	2.8mm	2.8mm	4.0mm	2.8mm
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	50ft range	80ft range	80ft range	100ft range	---
34.1° ~ 93.6°	110°	35° ~ 96°	115°	115°	115°	86°	106.6°
Smart DNR 3D digital noise reduction							
True WDR							
True D/N							
Yes							
16 privacy masks							
Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.							
---	---	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 (card not included)
DW Spectrum and any ONVIF conformant VMS							
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							CE, FCC, NDAA
DC12V, PoE, PoE adapter not included							
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
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

MEGAPIX®

2.1MP/1080p cameras

NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-MD72Di28T	DWC-MV72Di28TW	DWC-MV82DiVT	DWC-MB62DiVTW
Image	Image sensor	2.1MP/1080p 1/2.9" CMOS			
	Total pixels	2001 (H) X 1121 (V)			
	Minimum scene illumination	0.25 lux (Color)	0.16 lux (Color)	0.16 lux (Color)	0.16 lux (Color)
		0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)
Audio input/ output		---			
Lens	Focal length	2.8mm	2.8mm	2.7 ~ 13.5mm	
	Lens type	Fixed lens	Fixed lens	Vari-focal lens	
	IR distance	50ft range	80ft range	100ft range	100ft range
	Optical zoom	---	---	---	---
	Angle of view	109°	103°	89.6° ~ 27°	
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			
	Privacy zones	16 privacy masks			
	Alarm input	---			
	Alarm output	---			
Network	Video compression	H.265, H.264, MJPEG			
	Frame rate	30fps at all resolutions			
	Streaming capability	Simultaneous dual-streaming			
	Onboard storage	---	---	---	---
	Video management software	DW Spectrum and any ONVIF conformant VMS			
Environmental	Housing	Indoor dome	Ultra low-profile vandal dome	Low-profile vandal dome	Bullet
	Operating temperature	-4°F ~ 122°F (20°C ~ 50°C)			
	IP rating	---	IP67-rated	IP66-rated	IP66-rated
	IK rating	---	IK 10-rated impact-resistant	IK 10-rated impact-resistant	---
	Other certifications	FCC, CE, ROHS, UL listed, NDAA			
Electrical	Power requirements	DC12V, PoE, PoE adapter not included			
	Power consumption	DC12V: 3.8W, PoE: 5.5W	DC12V: 3.7W, PoE: 5.4W	DC12V: 4.3W, PoE: 6.2W	DC12V: 5.2W, PoE: 7.0W
Mechanical	Dimensions	4.13" x 2.93"	4.13" x 2.4"	4.9" x 3.6"	9.92" x 3.81"

PTZ camera

PART NUMBER		DWC-MPTZ230XTW
Image	Image sensor	2.1MP/1080p 1/3" Star-Light Plus CMOS
	Total pixels	1981(H) X 1288(V)
	Minimum scene illumination	0.05 lux (color)
		0 lux (B/W)
Audio input/ output		1x line in and 1x line out
Lens	Focal length	4.3-129mm
	Lens type	Motorized zoom PTZ lens
	IR distance	200ft range
	Optical zoom	30x optical zoom
	Angle of view	65.1°-2.34°
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction
	Wide dynamic range (WDR)	True WDR
	Day and night	True D/N
	Motion detection	Yes
	Privacy zones	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
	Frame rate	Up to 30fps at all resolutions
	Streaming capability	Dual-streaming
	Onboard storage	Micro SD / SDHC / SDXC (card not included)
	Video management software	DW Spectrum and any ONVIF conformant VMS
Environmental	Housing	PTZ high-speed dome
	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
	IP rating	IP66-rated
	IK rating	IK 10-rated impact-resistant
	Other certifications	CE, FCC, RoHS, UL-listed, NDAA
Electrical	Power requirements	DC12V, PoE, PoE adapter included
	Power consumption	DC24V: 40W, AC24V: 35W, PoE: 42W
Mechanical	Dimensions	5.9" x 9.13"

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)
			0.0 lux (B/W)				
Audio input/ output		1 audio input and 1 microphone built-in	1 audio input and 1 microphone built-in		1 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 and any 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, 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

PART NUMBER		DWC-VSDG04Bi	DWC-VSDG04Mi	DWC-VSTB04Bi/ DWC-VSTB04BiB	DWC-VSTB04Mi	DWC-VSBD04Bi	DWC-VSBD04Mi
Image	Image sensor	4MP 1/3" CMOS					
	Total pixels	2560 × 1440					
	Minimum scene illumination	0.005 lux (color)					
		0.0 lux (B/W)					
Audio input/ output		1 audio input and 1 microphone built-in	1 audio input and 1 microphone built-in/ 1 output	1 audio input and 1 microphone built-in			
Lens	Focal length	2.8mm	2.8-12mm	2.8mm	2.8-12mm	2.8mm	2.8-12mm
	Lens type	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens
	IR distance	100ft range	164ft range	100ft range	164ft range	164ft range	164ft range
	Angle of view	94°	92°~31°	94°	92°~31°	94°	92°~31°
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction					
	Wide dynamic range (WDR)	True WDR					
	Day and night	True D/N					
	Motion detection	Yes					
	Privacy zones	8 programmable privacy masks					
	Alarm input	---					
	Alarm output	---					
Network	Video compression	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 and any ONVIF conformant VMS					
Environmental	Housing	Vandal dome		Turret		Bullet	
	Operating temperature	-22°F ~ 140°F (-30°C ~ 60°C)					
	IP rating	IP67-rated					
	IK rating	IK 10-rated impact-resistant					
	Other certifications	CE, FCC, NDAA					
Electrical	Power requirements	DC12V, PoE, PoE adapter not included					
	Power consumption	<4.5W	<7.5W	<5W	<8W	<8W	<8W
Mechanical	Dimensions	4.59" x 3.54"	5.55" x 3.93"	4.25" x 3.77"	5.16" x 4.29"	8.69" x 3.16" x 2.77"	8.69" x 3.16" x 2.77"

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-V4HMW	DWC-DSWM	DWC-WMJUNCW	DWC-WMJUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-PVX20	DWC-PV20CMW	DWC-PV20HMW	DWC-PV20WMW		DWC-PV20JUNCW	DWC-PV20ADPW	DWC-V1CNMW	DWC-PMB-WLW	N/A	DWC-PV20FMW	DWC-PZPARAMW2
DWC-PZ21M69TW	DWC-PZCMW	DWC-PZHMW	DWC-PZWMW	DWC-WMJUNCW	N/A	DWC-PZADPW	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	DWC-PZPARAMW2
DWC-MPTZ230XTW	DWC-P230CMW	N/A	DWC-P230WMW		N/A	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	DWC-P230FMW	DWC-PZPARAMW2
DWC-XSDE DWC-MVC	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW	N/A	DWC-V1CNMW	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	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-MV8	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	DWC-VFFMW	N/A
DWC-MF	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW	N/A	DWC-V1CNMW	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
DWC-XSDA	DWC-V7CMW	DWC-V7HMW	DWC-V7WMW	DWC-WMJUNCW	DWC-V7JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-XSDH	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-MV7	DWC-V7CMW	DWC-V7HMW	DWC-V7WMW	DWC-WMJUNCW	DWC-V7JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	DWC-V7DECO
DWC-MV4	DWC-V4CMW	DWC-V4HMW	DWC-V4WMW	DWC-WMJUNCW	N/A	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-MVA	DWC-VACM	N/A	DWC-VAWM	DWC-WMJUNCW	DWC-VAJUNC	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-PVF	DWC-VFCMW	DWC-VFHMW	DWC-VFWMW	DWC-WMJUNCW	DWC-VFJUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-XSDJ	DWC-DSCM	DWC-V4HMW	DWC-DSWM	Included with the camera	Included with the camera	N/A	DWC-V1CNMW	DWC-PMB-WLW	Included with the camera	DWC-DJFM	DWC-DJSSLD
DWC-XSBJ	N/A	N/A	N/A	Included with the camera	Included with the camera	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-XSBE	N/A	N/A	N/A	N/A	DWC-B7JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A

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-MB4	N/A	N/A	N/A	N/A	DWC-BLJUNC-W	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-XSBA DWC-MB48	N/A	N/A	N/A	N/A	DWC-BLJUNC-W	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-MPH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DWC-PHCENW
DWC-INTCAM02	N/A	N/A	N/A	N/A	N/A	Included with the camera	N/A	N/A	N/A	N/A	Included with the camera
DWC-XSBF	N/A	N/A	N/A	N/A	DWC-WMJUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-XSWA	N/A	N/A	N/A	N/A	N/A	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-XSBC DWC-MBW	N/A	N/A	N/A	N/A	DWC-BLJUNC-W	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-MB7	N/A	N/A	N/A	N/A	DWC-B7JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	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
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, white	DWC-MT9CMJ	N/A	DWC-MTTWM	N/A	DWC-MT9JUNC	N/A	N/A	N/A	N/A	N/A	N/A
DWC-VSTB, black	N/A	N/A	N/A	N/A	DWC-MT9JUNCB	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
DWC-V7	DWC-V7CMW	DWC-V7HMW	DWC-V7WMW	DWC-WMJUNCW	DWC-V7JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	DWC-V7DECO
DWC-V4	DWC-V4CMW	DWC-V4HMW	DWC-V4WMW	DWC-WMJUNCW	N/A	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-D4	N/A	N/A	DWC-D1WMW	N/A	N/A	N/A	N/A	N/A	DWC-GPLT-W	N/A	N/A

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-V6	DWC-V1CMW	DWC-V1HMW	DWC-V1WMW	DWC-WMJUNCW	DWC-V1JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-VA	DWC-VACM	N/A	DWC-VAWM	DWC-WMJUNCW	DWC-VAJUNC	N/A	DWC-V1CNMW	DWC-PMB-WLW	DWC-GPLT-W	N/A	N/A
DWC-B6 DWC-LPR650U	N/A	N/A	N/A	N/A	DWC-BLJUNC-W	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A
DWC-B7	N/A	N/A	N/A	N/A	DWC-B7JUNCW	N/A	DWC-V1CNMW	DWC-PMB-WLW	N/A	N/A	N/A

2-port Gigabit Waterproof PoE Splitter

- Single (1) 90W PD input, two (2) PSE split output.
- PoE power supply distance up to 328 feet (100 meters).
- Plug-and-play solution with no configuration.
- Data and power carried over the same cable.
- No power adapter is required.
- Ideal for harsh outdoor environment.
- IP67- and IK10-rated hardware built to last.

POWER Source (* POE Switch/POE Injector (60W~90W))

328ft (100m)

POE Splitter

328ft (100m) 30W output

328ft (100m) 60W output

IP Camera (POE Enabled)

Speaker
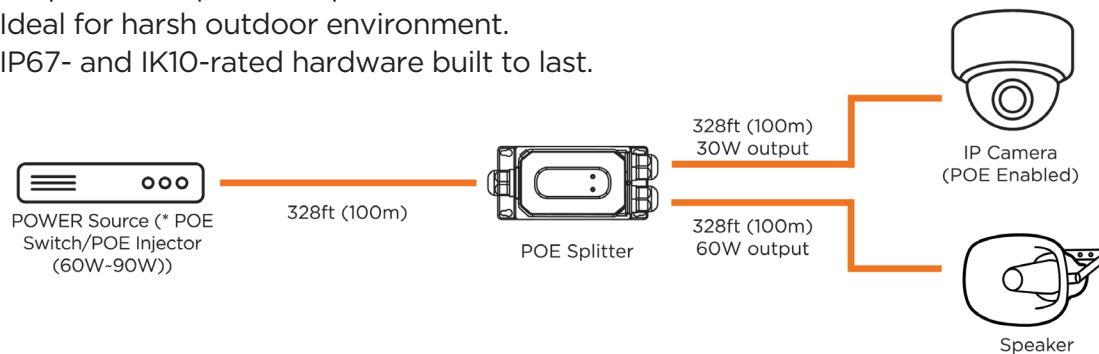
PART NUMBER	DW-POEEX2
Port	PoE in port:1 x 10/100/1000Mbps RJ45 port
	PoE out port : 2 x 10/100/1000Mbps RJ45 port
Max distance	≤ 328' / 100m
Port input	90W
PoE power output	Per port 48-55V DC
	Port1: max 60W
	Port2: max 30W
Other certifications	CE, FCC, RoHS
IP rating	IP67-rated, IK10 impact-resistant
Dimensions (L x W x H)	5.9" x 2.87" x 1.73" (150 x 73 x 44mm)

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 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.
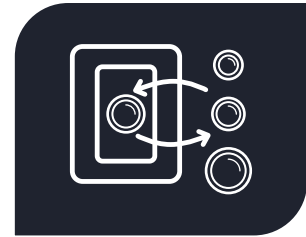
The Infrared and White Light illuminators incorporate the latest surface mount Dual-Core LEDs, combined with enhanced optical output and outstanding reliability at a **variety of distances and wavelengths.**
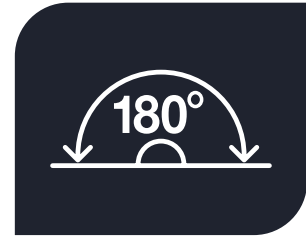
Motion detectors and laser sensors **enhance panoramic and PTZ cameras** to create a formidable panoramic solution.

Illuminators and Motion Detectors

Illuminators

SPECIFICATIONS	DW-ILHYBIP850 / DW-ILHYBIP940	DW-ILIRIP850 / DW-ILIRIP940	DW-ILWLIPM
Construction	Robust high-quality aluminum extrusion, black anodized finish		
Photocell	Software adjustable 20 – 70 lux		
Illumination	Software adjustable 10% - 100% with pulse modes		
Operating temperature	-58° to 140°F (-50° to 60°C)	-58°F to 122°F (-50°C to 50°C)	
Mount	Powder coated stainless steel wall mount		
Input	PoE+ (IEEE802.3at)		
Consumption	26W		
IP rating	IP66 environmental-rated dust-tight and water-resistant		
IK rating	IK09 impact-resistant in accordance with IEC/EN 62262	---	---
Electronics	High-efficiency surface mount high power Dual-Core LEDs with advanced, current limited, integral control circuity		
Lumen output	1800 lm	---	2400lm
Color temperature	Ultra white ≈ 6000K	---	5700K (6000K and 6500K options available to order)
Color rendering index	>70	---	Typ. 80
Recommended PSU	Any IEEE 802.3at injector (not included)		
Remote access	Web browser user interface. Full control via DW Spectrum		
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
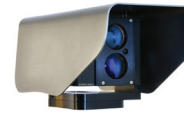
SPECIFICATIONS	DW-DTLA500
Field of application	Outdoor surveillance and monitoring
Alarm zones	Up to 20 fully adaptable zones, each zone has individual alarm sensitivity settings and alarm actions.
Alarm actions	Network alarm, relay. Easy direct integration with IP to VMS, enabling PTZ control, automatic 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

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

Motion Detection Accessories:

DW-DTWMDTLA5 Mounting bracket
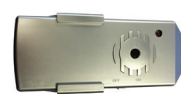
DW-DTWT Walk tester

DW-DTCAW Conduit adaptor

DW-DTPM Pole mount bracket

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 Speakers

DW's IP speakers are robust, IP-enabled audio devices that help proactively deter crime with instant live and recorded responses to events. DW's growing line of audio solutions includes devices outdoor, in-ceiling and wall mounted applications, making them ideal for any installation and environment.

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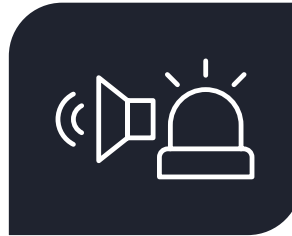
Flexible, scalable and cost-effective: designed to be mounted anywhere, the speakers come with PoE support for a simplified installation and can be integrated into existing systems.

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

SPECIFICATIONS	DW-SWSP15A	DW-SWSP30AM	DW-SWSPW30iAM	DW-SWSPC30iAM
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	Yes	Yes
Max SPL	113dB	120dB	101dB	96dB
Frequency response	300Hz-8KHz	350Hz ~ 8KHz	80Hz ~ 20KHz	100Hz ~ 18KHz
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	Built-in 30W 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			
Operating temperature	-22°F ~ 140°F (-30°C ~ 60°C)			
Operating humility	5%-85%			
Material	ABS (IP67-rated)		IP55-rated	---
Rate power	15W	30W	30W	30W
Power supply	PoE or 12-24V		PoE or 12V DC	PoE or 12V DC
Installation	Wall-mounted		Wall-mounted	In-Ceiling
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)	7.87" x 3.54"	11.65" x 7.71" x 6.18"
Net weight	2.86 lbs (1.3 kg)	4.4 lbs (2 kg)		
Warranty	2 years			

Network Appliances

Compressor™
Analog to IP Video Encoder

The easiest transition from analog to IP.

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)

DW spot™
MONITORING MODULE

Place a public view monitor anywhere.

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

DW's suite of mobile applications are free to download, offering simple and user-friendly remote management of all your DW systems from the palm of your hand.

DW Mobile Plus App

Support unlimited number of DW surveillance systems and view live and playback for up to 16 cameras at a time with multiple search options.

Supported DW devices: VMAX IP G4 NVRs, VMAX A1 G4 DVRs, COVA NVRs.

DW Witness App

Turns your phone's camera into a surveillance camera, viewed and recorded from your DW surveillance system.

Supported DW devices: DW Spectrum servers, VMAX IP G4 NVRs.

DW Spectrum App

An elegantly easy app, offering advanced search features, cross-platform, start viewing your entire security system in minutes.

Supported DW devices: DW Spectrum servers.

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

DW UNIVERSITY

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 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.
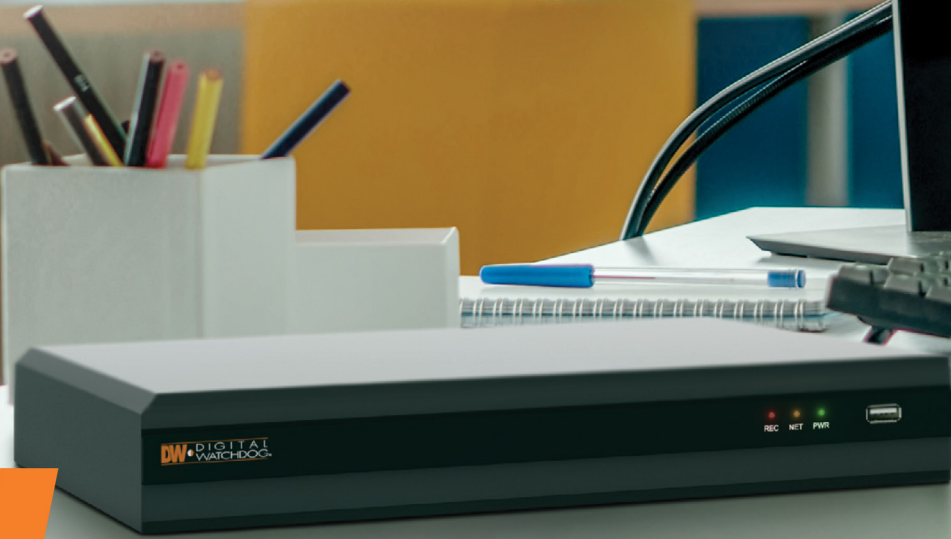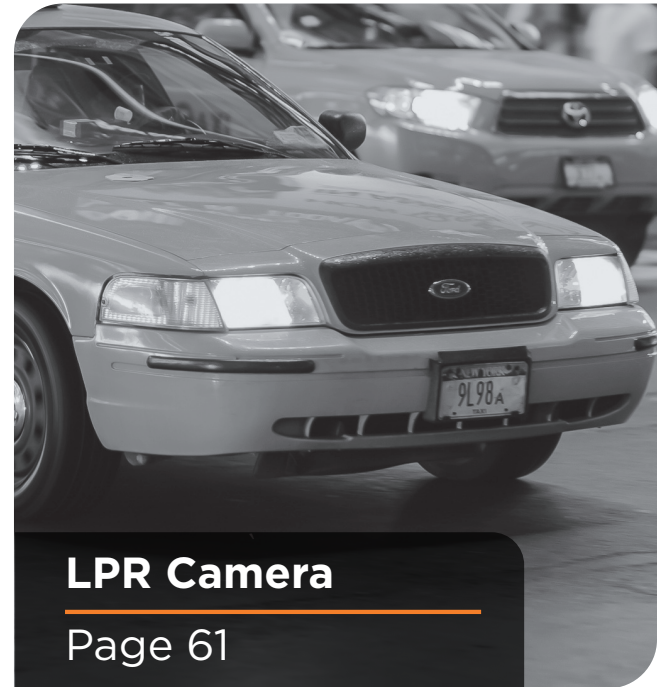
VMAX A1 G4

LPR Camera

PTZ Camera

Star-Light Plus Cameras

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.
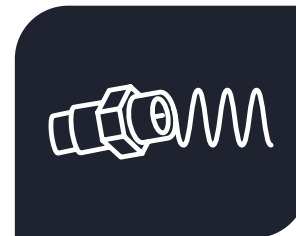
4K via Coax: Keep your existing coaxial cabling and upgrade your system to 4K high-quality video in the ultimate ROI.
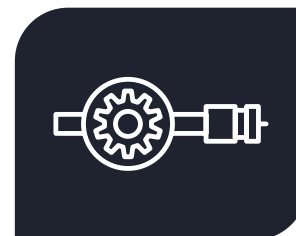
Up the Coax (UTC): Cut installation time with video and communication through the same coax cable. Access camera settings remotely and control PTZs without the need for additional cables.

VMAX A1 G4 DVRs

NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DW-VA1G44xT	DW-VA1G48xT	DW-VA1G416xT
Signals supported		Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP	Standard analog signal up to 960H, HD-Analog and HD-TVI up to 4K	
Input video		4 channels	8 channels	16 channels
Video live	Frame rate	1-30fps, max 120fps total	1-30fps, max 240fps total	1-30fps, max 480fps total
Video output		True HD: 3840×2160 (4K), 2560x1440, 1920x1080, 1280x1024, 1024x768, 800x600 VGA: 1920x1080, 1280x1024, 1024x768, 800x600 Spot (CVBS): D1 (720x480) RTSP streaming		
Audio	Input	4 inputs	8 inputs	8 inputs
	Output	1 output	1 output	1 output
Alarm	Alarm input	4 inputs	8 inputs	16 inputs
	Alarm output	1 output	2 outputs	4 outputs
Operating system		Embedded Linux		
Recording	Recording frame rate	---	4K (3840x2160): 56fps (7fps per channel)	4K (3840x2160): 112fps (7fps per channel)
		5MP (2560x1944): 48fps (12fps per channel)	5MP (2560x1944): 96fps (12fps per channel)	5MP (2560x1944): 192fps (12fps per channel)
		4MP/2K (2560x1440): 60fps (15fps per channel)	4MP/2K (2560x1440): 120fps (15fps per channel)	4MP/2K (2560x1440): 240fps (15fps per channel)
		3MP (1920x1536): 72fps (18fps per channel)	3MP (1920x1536): 144fps (18fps per channel)	3MP (1920x1536): 288fps (18fps per channel)
		Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 120fps (30fps per channel)	Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 240fps (30fps per channel)	Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 480fps (30fps per channel)
	Recording resolutions	Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP	Standard analog signal up to 960H, HD-Analog and HD-TVI up to 4K	
Storage	HDD interface	1x SATA HDD	2x SATA HDD	2x SATA HDD
	Max. internal storage	Up to 16TB	Up to 32TB	Up to 32TB
Access	Web viewer	Live, playback and configuration up to 10 multiple connections		
	Mobile client	Mobile app for Apple and Android smartphones and tablets		
	Client monitoring software	C3 CMS for Windows and Mac OS		
Operating temperature		41°F ~ 104°F (5°C ~ 40°C)		
Electrical	Power requirement	DC12V		
	Power consumption	24W, 2A	48W, 4A	48W, 4A
Dimensions		11.81" x 9.8" x 1.77" (300 × 249 × 45 mm)	14.96" x 10.58" x 1.77" (380 x 268.8 x 45 mm)	14.96" x 10.58" x 1.77" (380 x 268.8 x 45 mm)

STAR-LIGHT LPR™

LICENSE PLATE RECOGNITION

DW's LPR cameras capture license plates in moving vehicles at up to 50mph in extremely low light visibility.

LPR cameras can capture images of license plates from moving cars at up to 50mph.
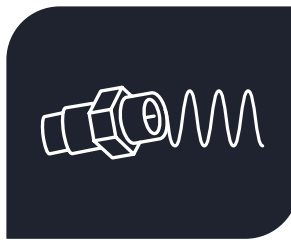
Universal HD over Coax cameras can transmit HD-Analog, HD-TVI, HD-CVI and legacy CVBS signals up to 4K.
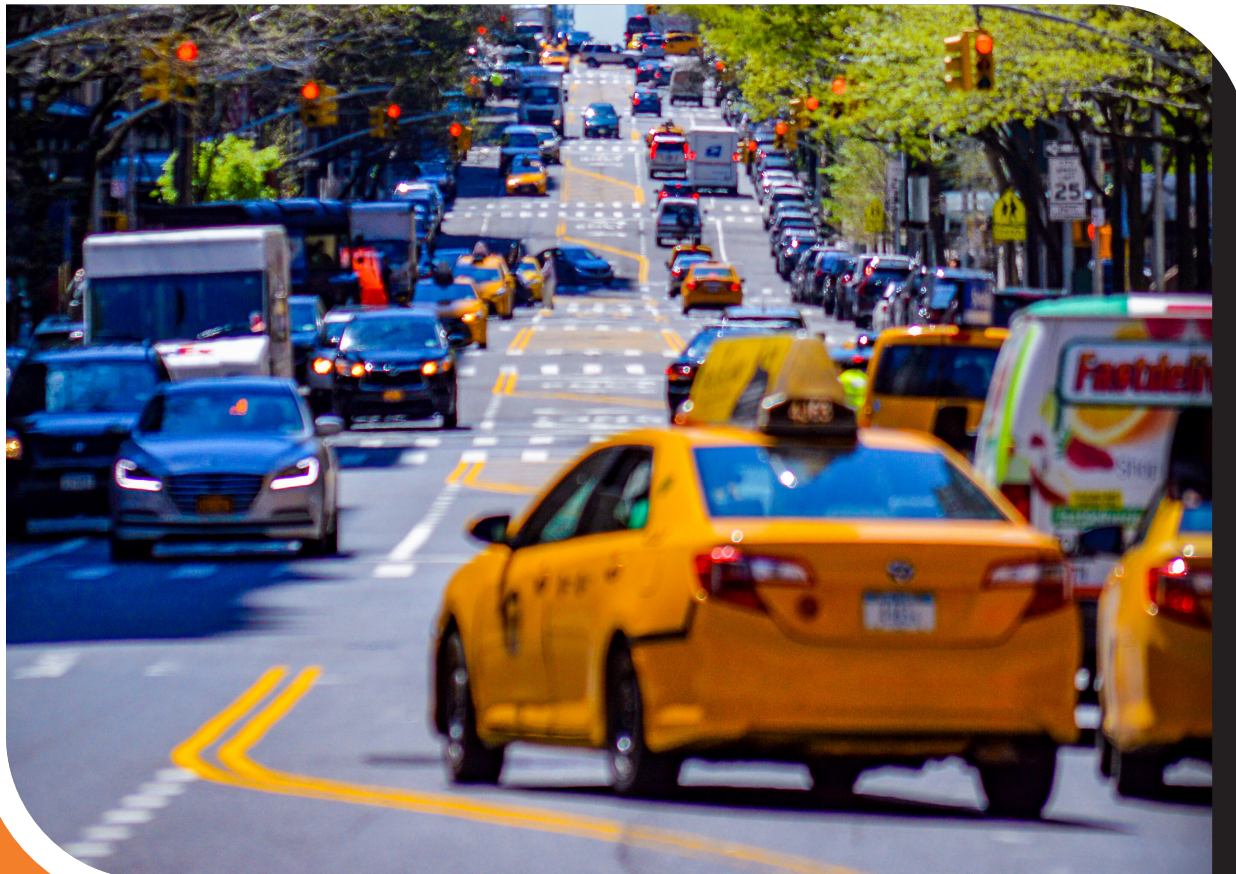
NDAA COMPLIANT PRODUCT

PART NUMBER		DWC-LPR650UW
Image	Image sensor	2.1MP/1080p 1/3″ CMOS
	Signal technology	Universal HD over Coax technology with HD-Analog, HD-TVI and HD-CVI signal support
	Effective pixels	1937(H) x 1097(V)
	Minimum scene illumination	---
		0 lux (B/W)
	Video output	2.1MP/1080p at 30fps
Lens	Focal length	6 ~ 50mm
	Lens type	Vari-focal p-iris lens
	IR distance	60ft range
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction
	Backlight compensation (BLC)	---
	Wide dynamic range (WDR)	---
	Day and night	B/W only
	Privacy zones	16 privacy masks
	De-Fog™	Yes
	RS485 / UTP built-in	Yes
	Alarm output	1 alarm output
	Housing	Outdoor vandal bullet
Environmental	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
	CleanView	---
	IP rating	IP66-rated
	IK rating	---
	Other certifications	CE, FCC, ROHS, NDAA compliant
Electrical	Power requirements	DC12V/AC24V Dual Voltage
	Power consumption	DC12V: 6.12W
		AC24V: 5.7W
	Dimensions	9.4" x 3.81"

STAR-LIGHT PTZ™

PAN, TILT, ZOOM HIGH-SPEED CAMERA

DW's Star-Light Plus PTZ cameras use pan, tilt, and zoom to offer users great ROI with maximum protection at a minimum cost. The camera gives users forensic detail with optical zoom and can replace multiple cameras with presets and patterns to cover a wide-area all from a single camera.

Monitor large spaces and replace multiple cameras with **optical zoom and track** events live.
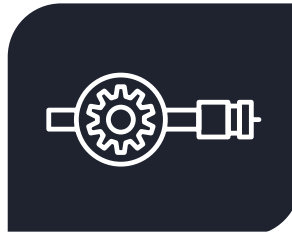
Make adjustments to your cameras from the DVR with **Up the Coax (UTC)** Communications.
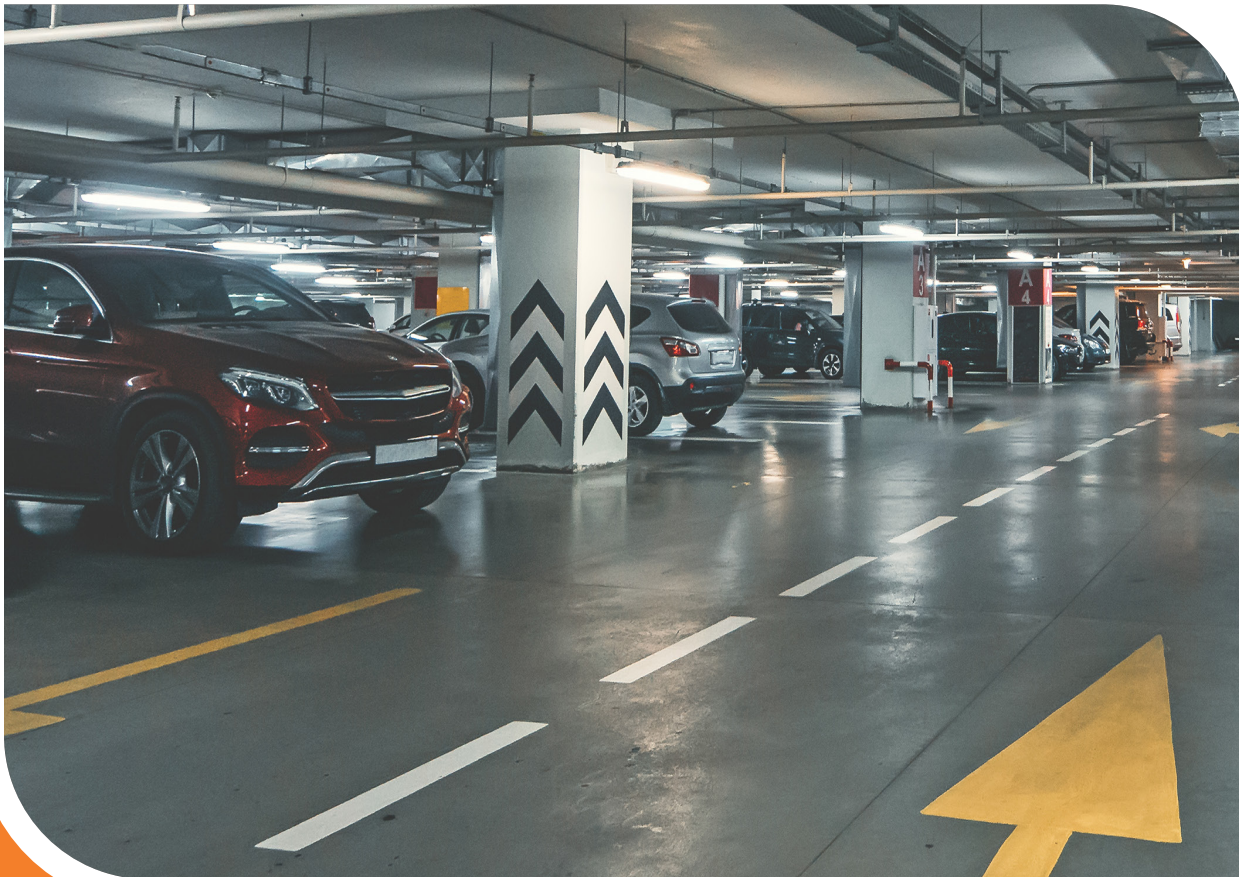
NDAA/TAA
COMPLIANT PRODUCT

PART NUMBER		DWC-PTZ220XW
Image	Image sensor	2.1MP/1080p 1/2.8" Star-Light Plus CMOS
	Signal technology	HD-analog, HD-TVI and CVBS
	Effective pixels	1945(H)x1097(V)
	Minimum scene illumination	0.35 lux (color)
		0.013 lux (B/W)
	Video output	2.1MP/1080p at 30fps
Lens	Focal length	4.7 ~ 94mm
	Lens type	Vari-focal with remote auto-focus lens
	IR distance	---
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction
	Backlight compensation (BLC)	Yes
	Wide dynamic range (WDR)	True WDR
	Day and night	True D/N
	Privacy zones	16 privacy masks
	De-Fog™	Yes
	RS485 / UTP built-in	UTC, RS485
	Alarm output	4 input/ 1 output
	Housing	PTZ high-speed dome
Environmental	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
	CleanView	---
	IP rating	IP66-rated
	IK rating	IK 10-rated impact-resistant
	Other certifications	CE, FCC, ROHS, NDAA & TAA compliant
Electrical	Power requirements	DC12V/AC24V Dual Voltage
	Power consumption	Auto focus working: max. 12W
	Dimensions	6.06" x 5.9"

![STAR-LIGHT PLUS™ logo]

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.
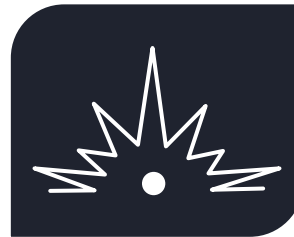
Star-Light Plus color in darkness technology: Cameras with a Star-Light Plus sensor provide crisp, clear color images in near darkness with back-illuminated pixel technology for increased light sensitivity.
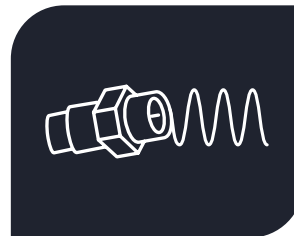
Up to 4K resolution: DW's technology delivers crystal-clear images in resolutions up to 4K using existing coaxial cabling and installation, making it the most cost-effective update to your existing analog system.

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 Cameras

4K cameras

NDAA 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)	0.09 lux (color)	0.09 lux (color)	0.1 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
	Video output	4K @ 15 fps, 4MP/1440p @ 30 fps, 2.1MP/1080p @ 30 fps							
Lens	Focal length	3.6 ~ 10mm	2.8mm	3.6 ~ 10mm	2.8mm	3.6 ~ 10mm	3.6 ~ 10mm	3.6 ~ 10mm	2.8mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Vari-focal p-iris lens	Fixed lens	Vari-focal p-iris lens	Vari-focal p-iris lens with motorized zoom and auto-focus		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							
	RS485 / UTP built-in	UTC							
	Alarm output	---	---	---	---	---	---	---	---
	Housing	Bullet	Bullet	Vandal dome	Indoor dome	Indoor dome	Snapit indoor dome	Vandal ball	Vandal ball
Environmental	Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)							
	CleanView	---	---	Yes	---	---	---	---	---
	IP rating	IP66-rated	IP66-rated	IP66-rated	---	---	---	IP67-rated	IP67-rated
	IK rating	---	---	IK10-rated impact resistant	---	---	---	IK10-rated impact resistant	
	Other certifications	UL listed, FCC, CE, ROHS, NDAA compliant			FCC, CE, ROHS, NDAA compliant				
Electrical	Power requirements	DC12V/AC24V dual voltage	DC12V	DC12V/AC24V dual-voltage	DC12V	DC12V/AC24V dual-voltage			DC12V
	Power consumption	DC12V LED off: 5.49W LED on: 8.34W — AC24V LED off: 4.95W LED on: 7.81W	DC12V (LED off): 3W DC12V (LED on): 4.2W	DC12V LED off: 4.27W LED on: 6.98W — AC24V LED off: 3.96W LED on: 6.38W	DC12V (LED off): 3W DC12V (LED on): 4.04W	DC12V LED off: 4.27W LED on: 6.98W — AC24V LED off: 3.96W LED on: 6.38W	DC12V LED off: 5.76W LED on: 7.92W — AC24V LED off: 6.49W LED on: 7.15W	DC12V LED off: 5.517W LED on: 8.98W — AC24V LED off: 5.06W LED on: 8.03W	DC12V LED off: 3W LED on: 4.54W
	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

PART NUMBER		DWC-VA583WTIR	DWC-VA553WTIR	DWC-B6563WTIRW	DWC-B6563WTR650W	DWC-V6563WTIR
Image	Image sensor	5MP 1/2.8″ Star-Light Plus sensor				
	Signal technology	Universal HD over Coax technology with HD-Analog, HD-TVI and HD-CVI signal support				
	Effective pixels	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)
	Minimum scene illumination	0.08 lux (color)	0.16 lux (color)	0.08 lux (color)	0.1 lux (color)	0.08 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
	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
	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
	IR distance	80ft range	70ft range	100ft range	150ft range	100ft range
Operational	Digital noise reduction (DNR)	Smart DNR 3D digital noise reduction				
	Backlight compensation (BLC)	Yes	Yes	Yes	Yes	Yes
	Wide dynamic range (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
	Privacy zones	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
	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
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)
	CleanView	---	---	---	---	Yes
	IP rating	IP67-rated	IP67-rated	IP66-rated	IP66-rated	IP66-rated
	IK rating	IK 10-rated impact-resistant		---	---	IK 10-rated impact-resistant
	Other certifications	FCC, CE, ROHS, NDAA compliant		UL listed, FCC, CE, ROHS, NDAA compliant		
Electrical	Power requirements	DC12V/AC24V dual voltage	DC 12V	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage
	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
	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 Cameras

5MP cameras

DWC-B7553WTIRW	DWC-D3563WTIR	DWC-D4583WTIR	DWC-MC553WTIR	DWC-V7553WTIR	DWC-V7553W
5MP 1/2.8″ Star-Light Plus sensor					
Universal HD over Coax® technology with HD-Analog, HD-TVI and HD-CVI signal support					
2608 (H) x 1960 (V)	2608 (H) x 1960 (V)				
0.16 lux (color)	0.08 lux (color)	0.08 lux (color)	0.16 lux (color)		0.13 (color)
0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)		
5MP (1944p): 20fps (HD-Analog and HD-TVI only) 4MP (1440p): 30fps					
4.0mm	2.7 ~ 13.5mm	2.7 ~ 13.5mm	4.0mm	4.0mm	2.8mm
Fixed	Vari-focal with P-Iris lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Fixed lens	Fixed lens
70ft range	100ft range	70ft range	50ft range	50ft range	---
Smart DNR 3D digital noise reduction					
Yes	Yes	Yes	Yes		
True WDR	True WDR				
True D/N					
Yes	Yes				
---	---	---	---	---	---
UTC	PELCO D / UTC	PELCO D / UTC	UTC		
---	1 alarm output	1 alarm output	---	---	---
Outdoor vandal bullet	Indoor dome	SnapIt™ indoor dome	Micro dome	Ultra low-profile vandal 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	
CE, FCC, ROHS, NDAA compliant			UL listed, CE, FCC, ROHS, NDAA compliant		
DC12V	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V	DC12V	DC12V
DC12V (LED off): 2W, 176mA DC12V (LED on): 3.9W, 333mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA AC24V (LED off): 2.75W, 200mA AC24V (LED on): 5.3W , 360mA	DC12V (LED off): 4.62W, 385mA DC12V (LED on): 7.13W, 595mA AC24V (LED off): 3.96W, 280mA AC24V (LED on): 6.5W , 410mA	DC12V (LED off): 1.98W, 165mA DC12V (LED on): 2.62W, 218mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 2.69W, 224mA	DC12V: 2W, 176mA
6.41″ x 2.65″	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″

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

NDAA COMPLIANT PRODUCT

		Universal HD over Coax cameras		Snapit™ cameras		Universal HD over Coax cameras			
PART NUMBER		DWC-B6263WTIR	DWC-B6263WTIR650	DWC-D4283WD DWC-V4283WD	DWC-D4283WTIR DWC-V4283WTIR	DWC-D3263WTIR	DWC-V6263WTIR	DWC-V6263TIR	DWC-V7253
Image	Image sensor	2.1MP/1080p 1/3″ CMOS				2.1MP/1080p 1/3″ CMOS			
	Signal technology	HD-analog, HD-TVI, HD-CVI and CVBS				HD-analog, HD-TVI, HD-CVI and CVBS			
	Effective pixels	1944(H) x 1092(V)		1944(H) x 1092(V)		1944(H) x 1092(V)		1920(H) x 1080(V)	
	Minimum scene illumination	0.03 lux (color)	0.39 lux (color)	0.3 lux (color)	0.3 lux (color)	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)	0 lux (B/W)	0 lux (B/W)	---
	Video output	2.1MP/1080p at 30fps				2.1MP/1080p at 30fps			
Lens	Focal length	2.8 ~ 12mm	6 ~ 50mm	2.8 ~ 12mm	2.8 ~ 12mm	2.8 ~ 12mm	2.8 ~ 12mm	2.8 ~ 12mm	3.6mm
	Lens type	Vari-focal p-iris lens		Varifocal p-iris lens with motorized zoom and auto-focus		Varifocal p-iris lens	Varifocal p-iris lens	Varifocal p-iris lens	Fixed lens
	IR distance	100ft range	150ft range	---	100ft range	100ft range	100ft 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	
	Day and night	True D/N		Electronic D/N	True D/N	True D/N			
	Privacy zones	16 privacy masks		16 privacy masks		16 privacy masks		4 privacy masks	
	De-Fog	Yes		Yes		Yes	Yes	---	
	RS485 / UTP built-in / UTC	Yes		UTP built-in		UTP built-in	UTP built-in	---	
	Alarm output	1 Alarm Output		1 alarm output		1 alarm output	1 alarm output	---	
	Housing	Bullet		SnapIt™ indoor and vandal domes		Indoor dome	Vandal dome	Vvandal dome	Ultra low-profile vandal dome
Environmental	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)			
	CleanView	---		Yes (DWC-V4 models)		---	Yes	Yes	---
	IP rating	IP66-rated		IP68-rated (DWC-V4 models)		---	IP66-rated	IP66-rated	
	IK rating	---		IK 10-rated impact-resistant (DWC-V4 models)		---	IK 10-rated impact-resistant	IK 10-rated impact-resistant	
	Other certifications	UL listed, CE, FCC, ROHS, NDAA		CE, FCC, ROHS, NDAA		UL listed, FCC, CE, ROHS, NDAA			
Electrical	Power requirements	DC12V/AC24V dual voltage		DC12V/AC24V dual voltage		DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V	
	Power consumption	DC12V LED off: 3W LED on: 4.4W	DC12V LED off: 3W LED on: 6W	DC12V: 3.0W	DC12V LED off: 3.0W LED on: 5.2W	DC12V LED off: 2.94W LED on: 5.22W	DC12V LED off: 2.94W LED on: 5.22W	DC12V LED off: 186W LED on: 3.6W	DC12V: 1.92W
		AC24V LED off: 2.7W LED on : 4.3W	AC24V LED off: 2.7W LED on: 5.5W	AC24V: 2.3W	AC24V LED off: 2.3W LED on: 4.6W	AC24V LED off: 2.5W LED on: 4.35W	AC24V LED off: 2.5W LED on: 4.35W		
	Dimensions	8.83″ x 3.8″	9.92″ x 3.8″	4.24″ x 3.9″ (DWC-D4 models) 5.47″ x 4.79″ (DWC-V4 models)		4.72″ x 3.52″	5.7″ x 4.26″	5.7″ x 4.26″	4.13″ x 2.39″

HD VIDEO BALUN™

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

DW-HDBALUN5

Connection Options

PASSIVE UTP VIDEO TRANSMISSION

UTP UP TO 1312ft (400M)

Passive   Passive

Camera   DVR

SPECIFICATIONS	
Transmission signal	1 channel
Transmission distance	• HD-CVI 720p: 1312ft (400M) • HD-CVI 2.1MP/1080p: 820ft (250M) • HD-CVI 4MP/4K: 656ft (200M) • HD-TVI 720p: 820ft (250M) • HD-TVI 2.1MP/1080p: 820ft (250M) • HD-TVI 5MP/4K: 590ft (180M) • HD-Analog 720p: 1148ft (350M) • HD-Analog 2.1MP/1080p: 656ft (200M) • HD-Analog 5MP/4K: 590ft (180M)
Category type	UTP CAT5 / 5E / 6
VIDEO TRANSMISSION PROPERTIES AND PORT	
Coaxial video connector	BNC-M
ENVIRONMENTAL	
Operating temperature	14 - 131° F (-10 ~ 55° C)
Operating humidity	0-95% (non-condensing)
MECHANICAL	
Dimensions (L*W*H)	2.16" x 0.63" x 0.75"
Weight	0.049 lbs

Contact Detail
Phone (Toll-Free): (866) 446-3595
Fax: (813) 888-9262
Customer Service (U.S): (866) 446-3595
Customer Service (International): (813) 888-9555
Customer Service (French): (514) 360-1309
Sales Email: sales@digital-watchdog.com
RMA Email: rmaservice@digital-watchdog.com

Hours of Operations
Florida Office: 8:30 AM - 5:30 PM EST
California Office: 11:00 AM - 8:00 PM EST
Technical Support: 9:00 AM - 8:00 PM EST