



COMPLETE HD OVER COAX™ PRODUCT
QUICK REFERENCE GUIDE



DW® Has You Covered.™

Complete HD over Coax™
Surveillance Solutions



**Authorized
Dealer**

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REV. 08/19

Universal HD over Coax[®] products



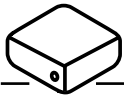
SOFTWARE

C3[™] CMS

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

DW[®] mobile apps

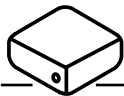
The DW[®] mobile apps suite for iOS[®] and Android[®] devices allows you to view, playback and monitor your systems on a smartphone or tablet.



RECORDERS

VMAX[®] A1 Plus[™]

Universal HD over Coax[®] DVRs support HD-Analog and HD-TVI formats up to 5MP and all analog to 960H.



NETWORK APPLIANCES

Compressor[™] analog to IP encoders

Compressor[™] signal encoders convert all analog signals into IP streams at real-time 30fps 1080p resolution.

DW Spot[™] monitoring module

Easily create remote monitoring stations of your surveillance system with DW Spot[™].



CAMERAS

5MP Universal HD over Coax[®]

5MP Universal HD over Coax[®] cameras use coaxial cables to transmit crystal-clear images up to 5MP and increase system ROI.

Star-Light[™] HD-Analog Flex[™]

Four cameras in one, 8MP total resolution multi-sensor HD-Analog cameras reduce installation time using individually configurable sensors, easily positioned on a secure magnetic track.

Star-Light[™] HD-Analog Pano[™]

Three cameras in one, 6MP total resolution multi-sensor HD-Analog cameras lower total system cost by providing three 2.1MP/1080p CMOS sensors in one installation for a 180° view at up to 30fps.

Universal HD over Coax[®] LPR

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

Star-Light[™] PTZ

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

Star-Light[™] Universal HD over Coax[®]

Star-Light[™] Universal HD over Coax[®] cameras use coaxial cables to transmit crystal-clear images up to 5MP and increase system ROI.



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Command . Control . Communicate

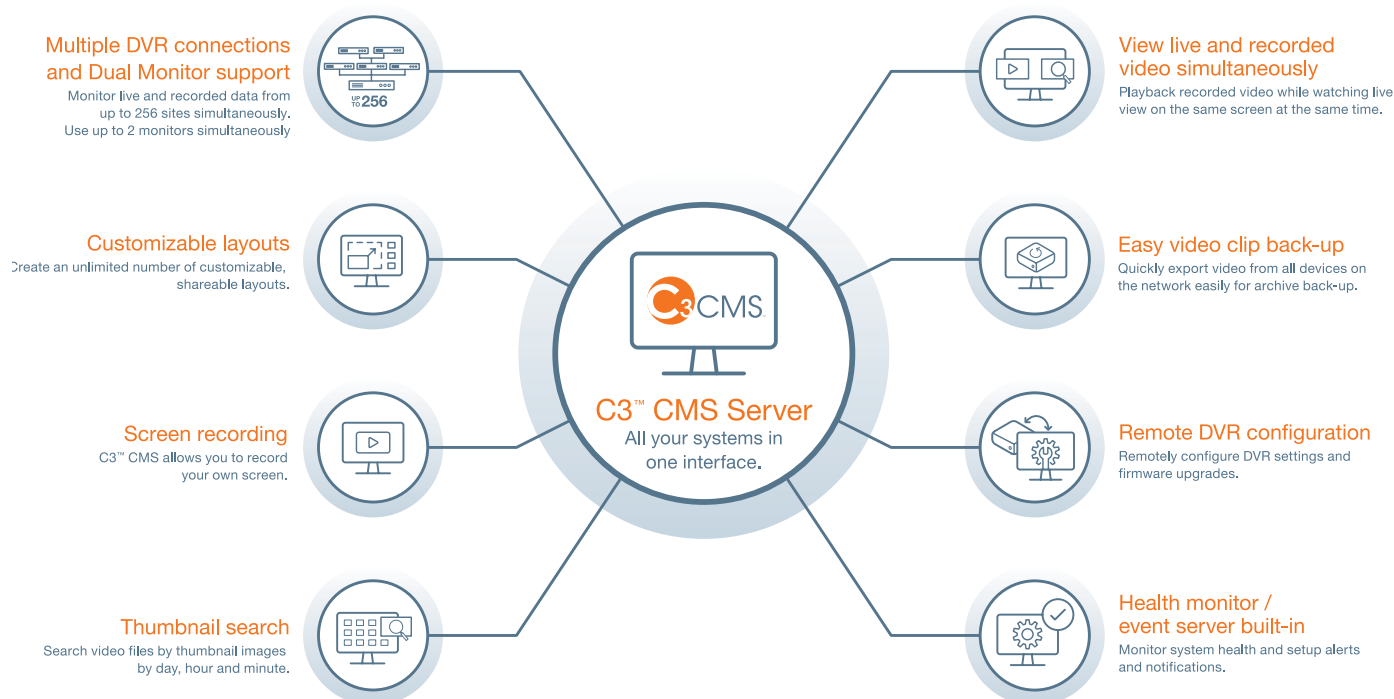
All your systems in one interface.

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

SUPPORTED OPERATING SYSTEM:  Windows®  MacOS



Manage and monitor your system from anywhere.

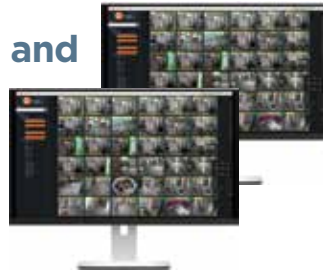


Remote management and event server software



Multiple DVR connections and Dual Monitor support

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



Customizable layouts

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



2x2 view



Corridor view



Panoramic view



Screen recording

C3™ CMS allows you to record your own screen.



Thumbnail Search

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



View live and recorded video simultaneously

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



Remote DVR configuration

Remotely configure DVR settings and firmware upgrades.



Digital video recorders

VMAX® A1 Plus™ Unlike Any Other™
Universal HD over Coax® DVRs



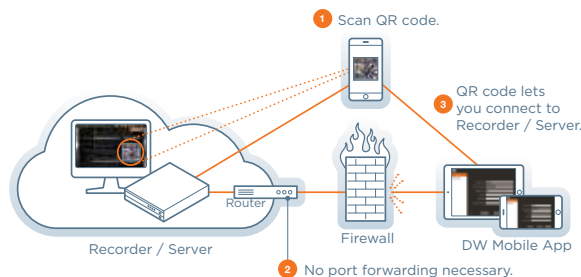
VMAX® A1 Plus™ DVRs support HD-Analog and HD-TVI signals up to 5MP, and analog up to 960H.

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



PathFinder™ auto port-forwarding

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



C3™ CMS

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



Features:

- Universal HD over Coax® DVR records HD-Analog and HD-TVI and all analog up to 960H signals
- Advanced H.264 Linux® embedded DVR
- 4-, 8- and 16-channels, real time 30fps recording up to 5MP
- Up to 5MP recording resolution
- PathFinder™ Peer-to-Peer (P2P) remote connection
- C3™ CMS and event server software up to 288 channels
- Event camera group recording
- Complete system analysis with real-time system and network status monitoring
- OSD and PTZ control via coax (UTC)
- Mac® compatible remote software

- Mobile Application for iPhone®, iPad®, iPod®, Android® smart phones and tablets and Apple TV®
- Signal hybrid detects any camera at HD-Analog, HD-TVI and 960H automatically
- Instant channel swap, no need to disconnect or reboot the DVR
- Snapshot Notify™: Camera image verification sent to an email
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- 1TB - 20TB storage options
- HDD calculation and auto recording configuration
- Thumbnail search with hour and



HD over Coax™



16 CH 480 fps
16 Channels
480 Total fps



PathFinder™

5MP

Up to 5MP
Recording

4K

Ultra HD Output

5YEAR

Limited Warranty

5-minute previews

- 10 second jump buttons for playback and fast forward
- Event notifications via e-mail and C3™ CMS and push notifications to mobile devices
- Multiplex - live, playback, recording, backup, network, configuration
- 4 audio input, 1 audio output
- 4 sensor input, 1 relay output
- Digital spot monitoring output at D1 resolution
- Simple and free DDNS service
- Push notifications via DW® VMAX® Plus™ app
- Easy web-based client with multi- user access
- Help menu on major functions
- Auto and manual firmware upgrades
- 5 year limited warranty

NEW



NEW



NEW



PART NUMBER		DW-VA1P16xT	DW-VA1P8xT	DW-VA1P4xT
Signals supported		Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP		
Input video		16 channels	8 channels	4 channels
Video live	Frame rate	1-30fps, max 480fps total	1-30fps, max 240fps total	1-30fps, max 120fps total
Video output		HDMI: up to 3840×2160 (4K), VGA: up to 1920×1080, Spot: D1		
Audio	Input	4 input	4 input	4 input
	Output	1 output	1 output	1 output
Alarm	Alarm input	4 inputs	4 inputs	4 inputs
	Alarm output	1 output	1 output	1 output
Operating system		Embedded Linux®		
Recording	Recording frame rate	960x480/576 (960H): 480fps	960x480/576 (960H): 240fps	960x480/576 (960H): 120fps
		1280x720 (HD): 480fps	1280x720 (HD): 240fps	1280x720 (HD): 120fps
		1920x1080 (HD): 480fps	1920x1080 (HD): 240fps	1920x1080 (HD): 120fps
		2560x1600 (4MP): 240fps	2560x1600 (4MP): 120fps	2560x1600 (4MP): 60fps
		2560x1944 (5MP): 160fps	2560x1944 (5MP): 80fps	2560x1944 (5MP): 40fps
	Recording resolutions	HD-analog and HD-TVI up to 5MP cameras and all analog resolutions up to 960H		
Storage	HDD interface	2x SATA HDD	1x SATA HDD	1x SATA HDD
	Max. internal storage	up to 20TB	Up to 10TB	Up to 10TB
Access	Web viewer	Live, playback and configuration up to 10 multiple connections		
	Mobile client	Mobile app for Apple® and Android® smart phones and tablets		
	Client monitoring software	Mac® (Apple® S/W), C3™ (CMS S/W)		
Operating temperature		41°F - 104°F (5°C - 40°C)		
Electrical	Power requirement	DC12V		
	Power consumption	60W, 5A	39.6W, 3.3A	18W, 1.5A
Dimensions		15.15" x 12.4" x 1.88" (385 × 315 × 48 mm) (1U)	12.4" x 9.52" x 1.77" (315 × 242 × 45 mm) (1U)	12.4" x 9.52" x 1.77" (315 × 242 × 45 mm) (1U)

Universal HD over Coax®



Color in Darkness Universal HD over Coax® cameras

Color in darkness images and support for 5MP
HD-Analog, HD-TVI and HD-CVI signals.

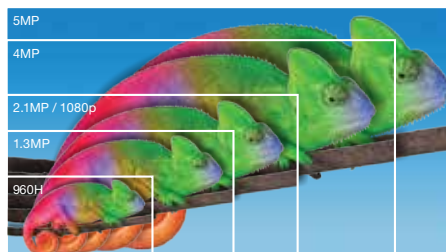
All DW® Universal HD over Coax® cameras include color in darkness technology.

Universal HD over Coax® DVRs, using your existing coaxial infrastructure for a cost effective, high resolution surveillance solution.



Megapixel resolution

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



Star-Light Plus™ color in darkness technology

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

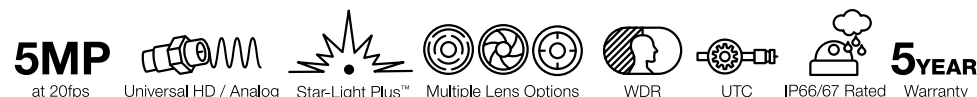


Image without Star-Light Plus™



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

Features:



- Universal HD over Coax® technology with HD-Analog, HD-TVI and HD-CVI signal support
- Star-Light Plus™ color in darkness technology
- 1/2.8" Sony® image sensor
- 5MP at 20fps, 4MP at real-time 30fps
- Built-in microphone*
- Fixed lens, vari-focal p-iris lens and motorized zoom with auto-focus lens options
- True wide dynamic range (WDR)

- OSD control via Coaxial (UTC)
- CleanView™ hydrophobic dome coating repels water, dust and grease*
- 70'-150' Smart IR™ with intelligent camera sync*
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter
- De-Fog™ extreme weather image compensation
- Auto sensing 24VAC/12VDC*

- Easy icon driven OSD menu with built-in joystick
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Relay output*
- IP66/67 environmental-rated dust-tight and water-resistant*
- IK 10-rated impact-resistant*
- 5 year warranty

* See data sheets for specifications per camera.

Universal HD over Coax®

4K/8MP cameras



5MP cameras



PART NUMBER		DWC-B6883WTIR	DWC-B6853WTIR	DWC-VA853WTIR	DWC-VA883WTIR	DWC-VA583WTIR	DWC-VA553WTIR	DWC-B6563WTIR
Image	Image sensor	8MP 1/1.8" CMOS	8MP 1/1.8" CMOS	8MP 1/1.8" CMOS	8MP 1/1.8" CMOS	5MP 1/2.8" Star-Light Plus™ sensor		5MP 1/2.8" Sony STARVIS sensor
	Signal technology	Universal HD over Coax® technology with HD-Analog, HD-TVI and HD-CVI signal support						
	Effective pixels	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	3864(H) x 2176(V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)
	Minimum scene illumination	0.09 lux (color)	0.1 lux (color)	0.1 lux (color)	0.09 lux (color)	0.08 lux (color)	0.16 lux (color)	0.08 lux (color)
		0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
	Video output	4K/8MP @ 15 fps 4MP/1440p @ 30 fps 2.1MP/1080p @ 30 fps				5MP (1944p): 20fps (HD-Analog and HD-TVI only) 4MP (1440p): 30fps		
Lens	Focal length	3.6 - 10mm	2.8mm	2.8mm	3.6 - 10mm	2.7 - 13.5mm	4.0mm	2.7 - 13.5mm
	Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus	Fixed lens	Fixed lens	Vari-focal p-iris lens with motorized zoom and auto-focus	Varifocal p-iris lens with motorized zoom and auto-focus	Fixed	Vari-focal with p-iris lens
	IR distance	150ft range	100ft range	70ft range	80ft range	80ft range	70ft range	100ft range
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Backlight compensation (BLC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Wide dynamic range (WDR)	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
	Day and night	True D/N	True D/N	True D/N	True D/N	True D/N	True D/N	True D/N
	Privacy zones	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	De-Fog™	Yes	Yes	Yes	Yes	---	---	---
	RS485 / UTP built-in	UTC	UTC	UTC	UTC	UTC	UTC	PELCO D / UTC
	Alarm output	---	---	---	---	---	---	1 alarm output
	Housing	Outdoor vandal bullet	Outdoor vandal bullet	Outdoor vandal ball	Outdoor vandal ball	Vandal outdoor ball	Vandal outdoor ball	Outdoor vandal bullet
Environmental	Operating temperature	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)
	CleanView™	---	---	---	---	---	---	---
	IP rating	IP66 environmental-rated water and dust-resistant		IP67 certified weather and tamper resistant		IP67 dust-tight and water-proof to 1 meter		IP66 environmental-rated dust-tight and water-resistant
	IK rating	---	---	IK10-rated impact resistant	IK10-rated impact resistant	IK 10-rated impact-resistant	IK 10-rated impact-resistant	---
	Other certifications	FCC, CE, ROHS					CE, FCC, ROHS	
Electrical	Power requirements	DC12V/AC24V dual voltage	DC12V	DC12V	DC12V/AC24V dual-voltage	DC12V/AC24V dual voltage	DC 12V	DC12V/AC24V dual voltage
	Power consumption	DC12V (LED off): 5.49W, 475mA DC12V (LED On): 8.34W, 692mA	DC12V (LED off): 2.12W, 177mA DC12V (LED on): 4.2W, 352mA	DC12V (LED off): 2.12W, 177mA DC12V (LED on): 4.54W, 378mA	DC12V (LED off): 5.517W, 460mA DC12V (LED on): 8.98W, 748mA	DC12V (LED off): 4.36W, 363mA DC12V (LED on): 7.6W, 638mA	DC12V (LED off): 1.89W, 157mA DC12V (LED on): 4.26W, 355mA	DC12V (LED off): 3.3W, 275mA DC12V (LED On): 5W, 420mA
		AC24V (LED Off): 4.95W, 346mA AC24V (LED on): 7.81W, 540mA			AC24V (LED off): 5.06W, 358mA AC24V (LED on): 8.03W, 552mA	AC24V (LED off): 4.5W, 278mA AC24V (LED on): 6.27W, 456mA		AC24V (LED Off): 3W, 179mA AC24V (LED on): 4.7W, 284mA
	Dimensions	9.92" x 3.81"	8.83" x 3.8"	4.92" x 4.05"	4.92" x 4.8"	5.7" x 4.26"	5.7" x 4.26"	8.83" x 3.8"

5MP cameras



PART NUMBER		DWC-B6563WTIR650	DWC-B7553WTIR	DWC-V6563WTIR	DWC-D3563WTIR	DWC-D4583WTIR	DWC-MC553WTIR	DWC-V7553WTIR
Image	Image sensor	5MP 1/2.8" Star-Light Plus™ sensor						
	Signal technology	Universal HD over Coax® technology with HD-Analog, HD-TVI and HD-CVI signal support						
	Effective pixels	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)	2608 (H) x 1960 (V)
	Minimum scene illumination	0.1 lux (color) 0 lux (B/W)	0.16 lux (color) 0 lux (B/W)	0.08 lux (color) 0 lux (B/W)	0.08 lux (color) 0 lux (B/W)	0.08 lux (color) 0 lux (B/W)	0.16 lux (color) 0 lux (B/W)	0.16 lux (color) 0 lux (B/W)
	Video output	5MP (1944p): 20fps (HD-Analog and HD-TVI only) 4MP (1440p): 30fps						
Lens	Focal length	6.0 ~ 50mm	4.0mm	2.7 ~ 13.5mm	2.7 ~ 13.5mm	2.7 ~ 13.5mm	4.0mm	4.0mm
	Lens type	Vari-focal with p-iris lens	Fixed	Vari-focal with P-Iris lens	Vari-focal with P-Iris lens	Varifocal p-iris lens with motorized zoom and auto-focus	Fixed	Fixed
	IR distance	150ft range	70ft range	100ft range	100ft range	70ft range	50ft range	50ft range
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Backlight compensation (BLC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Wide dynamic range (WDR)	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
	Day and night	True D/N	True D/N	True D/N	True D/N	True D/N	True D/N	True D/N
	Privacy zones	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	De-fog™	---	---	---	---	---	---	---
	Rs485 / UTP built-in	PELCO D / UTC	UTC	PELCO D / UTC	PELCO D / UTC	PELCO D / UTC	UTC	UTC
	Alarm output	1 alarm output	---	1 alarm output	1 alarm output	1 alarm output	---	---
Housing	Outdoor vandal bullet	Outdoor vandal bullet	Vandal outdoor dome	Indoor dome	SnapIt™ indoor dome	Micro dome	Ultra low-profile outdoor vandal dome	
Environmental	Operating temperature	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-20°C - 50°C (-4°F - 122°F)	-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	IP66 environmental-rated dust-tight and water-resistant			---	---	IP66 environmental-rated dust-tight and water-resistant	
	IK rating	---	---	IK 10-rated impact-resistant	---	---	IK 09-rated impact-resistant	
	Other certifications	CE, FCC, ROHS						
Electrical	Power requirements	DC12V/AC24V dual voltage	DC12V	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage	DC12V	DC12V
	Power consumption	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 6.2W, 531mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 3.9W, 333mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA	DC12V (LED off): 3.3W, 275mA DC12V (LED on): 5.9W, 495mA	DC12V (LED off): 4.62W, 385mA DC12V (LED on): 7.13W, 595mA	DC12V (LED off): 1.98W, 165mA DC12V (LED on): 2.62W, 218mA	DC12V (LED off): 2W, 176mA DC12V (LED on): 2.69W, 224mA
		AC24V (LED off): 3W, 179mA AC24V (LED on): 5.9W, 363mA		AC24V (LED off): 3W, 179mA AC24V (LED on): 5W, 348mA	AC24V (LED off): 3W, 179mA AC24V (LED on): 5W, 348mA	AC24V (LED off): 4.92W, 337mA AC24V (LED on): 6.7W , 473mA		
Mechanical	Dimensions	9.92" x 3.8"	6.41" x 2.65"	5.7" x 4.26"	4.72" x 3.52"	4.24" x 3.9"	3.15" x 2.34"	4.13" x 2.39"

Universal HD over Coax®

5MP cameras



5MP Universal HD over Coax® Cameras



DWC-V7553W	DWC-B8553TIR	DWC-B8563TIR	DWC-T8553TIR	DWC-T8563TIR	DWC-V8553TIR	DWC-V8563TIR
5MP 1/2.8" Star-Light Plus™ sensor	5MP 1/2.7" CMOS sensor	5MP 1/2.7" CMOS sensor	5MP 1/2.7" CMOS sensor	5MP 1/2.7" CMOS sensor	5MP 1/2.7" CMOS sensor	5MP 1/2.7" CMOS sensor
Universal HD over Coax® technology with HD-Analog, HD-TVI and HD-CVI signal support						
2608 (H) x 1960 (V)	2592(H) x 1944(V)	2592(H) x 1944(V)	2592(H) x 1944(V)	2592(H) x 1944(V)	2592(H) x 1944(V)	2592(H) x 1944(V)
0.13 (color)	0.01 lux (color)	0.01 lux (color)	0.01 lux (color)	0.01 lux (color)	0.01 lux (color)	0.01 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)
5MP (1944p): 20fps (HD-Analog and HD-TVI only) 4MP (1440p): 30fps	5MP (1944p): 20fps 4MP (1440p): 30fps					
2.8mm	2.8mm	2.8-12mm	2.8mm	2.8-12mm	2.8mm	2.8-12mm
Fixed lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens
---	100ft range	100ft range	100ft range	100ft range	100ft range	100ft range
Smart DNR™ 3D digital noise reduction	Smart DNR™ 3D digital noise reduction					
Yes	Yes	Yes	Yes	Yes	Yes	Yes
True WDR	D-WDR					
True D/N	True D/N					
Yes	---	---	---	---	---	---
---	---	---	---	---	---	---
UTC	UTC	UTC	UTC	UTC	UTC	UTC
---	---	---	---	---	---	---
Ultra low-profile outdoor vandal dome	Outdoor vandal bullet	Outdoor vandal bullet	Outdoor vandal turret	Outdoor vandal turret	Outdoor vandal dome	Outdoor vandal dome
-4°F ~ 122°F (-20°C ~ 50°C)	-22°F ~ 122°F (-30°C ~ 50°C)					
---	---	---	---	---	---	---
IP66 environmental-rated dust-tight and water-resistant						
IK 10-rated impact-resistant	---	---	---	---	IK 10-rated impact-resistant	IK 10-rated impact-resistant
CE, FCC, RoHS	CE, FCC, ROHS					
DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
DC12V: 2W, 176mA	IR on: < 4W	IR on: < 4W	IR on: < 4W	IR on: < 4W	IR on: < 4W	IR on: < 4W
	IR off: < 1W	IR off: < 1W	IR off: < 1W	IR off: < 1W	IR off: < 1W	IR off: < 1W
4.13" x 2.39"	3.41" x 8.03"	3.41" x 8.03"	3.6" x 4.25"	4.29" x 4.33"	3.54" x 4.59"	4.45" x 5.92"

Universal HD over Coax[®]



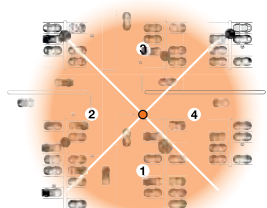
Super Low Light Configurable HD-Analog Cameras



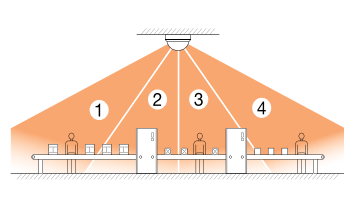
8 Megapixel multi-sensor HD-Analog camera.

The 8MP multi-sensor HD-Analog camera transmits crystal-clear 1080p images over coaxial cable with complete sensor and field-of-view customization.

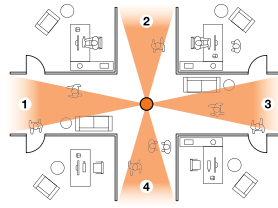
FLEX™ Four Cameras in One Installation!



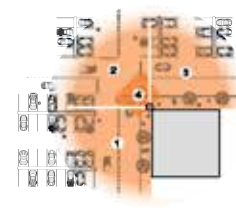
360° Parking Lot Installation



180° Assembly Line Installation



360° Hallway Installation



270° Corner Installation

Features:

8MP

Resolution at 30fps
4 x 2.1 MP



HD-Analog Signal

4x

4x Fixed Lenses



4-Cameras-in-1
One Installation



Flexible Sensor Positioning
with Magnets



IP66 Rated

5YEAR

Warranty

- Analog high definition (HD-Analog) HD over Coax™ Technology
- Four cameras in one installation
- 4x 2.1MP/1080p 1/3" image sensors
- Flexible sensor positioning with magnets
- 8MP resolution at 30fps (4x 2.1MP/1080p)
- Customizable 2.8mm, 4.0mm, 6.0mm and 8.0mm fixed lens options
- Star-Light™ super low light technology
- True Wide Dynamic Range (WDR)
- True day/night mechanical IR cut filter
- OSD control via coaxial (UTC)
- Secondary video-BNC output

- Easy icon driven OSD menu with built-in joystick
- Smart DNR™ 3D digital noise reduction
- De-Fog™ extreme weather image compensation
- Highlight masking exposure (HME)
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- RS-485 built-in
- Auto sensing 24VAC/12VDC
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

PART NUMBER		DWC-VS753WT
Image	Image sensor	4x 2.1MP/1080p 1/3" CMOS
	Signal technology	HD-analog
	Effective pixels	4x 1944 (H) x 1092 (V)
	Minimum scene illumination	0.06 lux (color)
		0.01 lux (B/W)
	Video output	8MP HD-Analog (4x 1080p at 30fps)
Lens	Focal length	4x 2.8mm, 4.0mm, 6.0mm, 8.0mm options
	Lens type	Fixed lenses
	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	Total 96 privacy masks
	De-fog™	Yes
	Rs485 / UTP built-in	Yes
	Alarm output	4 alarm output
	Housing	Multi-sensor outdoor vandal dome
Environmental	Operating temperature	-4°F - 122°F (-20°C - 50°C)
	CleanView™	---
	IP rating	IP66 environmental-rated dust-tight and water-resistant
	IK rating	---
	Other certifications	FCC, CE, ROHS
Electrical	Power requirements	DC12V/AC24V dual voltage
	Power consumption	DC12V: 8.36W, 696mA AC24V: 8.36W, 348mA
Mechanical	Dimensions	7.55" x 3.3"

IP cameras



Super Low Light Panoramic View HD-Analog Cameras



WORLD'S FIRST! 180° analog panoramic camera.

The multi-sensor 180° view camera uses existing coaxial cables to transmit crystal-clear images. The camera uses three 2.1MP sensors and three 4.3mm fixed lenses to produce 180° views at up to 30fps and 6MP total resolution. A fourth BNC out provides a 180° panoramic view.



180° panoramic view at real-time 30fps

Star-Light™ Pano™ 3-sensor HD over Coax™ camera delivers crystal clear 180° panoramic images. Using three (3) state of art video compression CMOS sensors, the camera delivers real time 30fps for live and recorded monitoring.



Features:



- Analog HD over Coax® technology with HD-Analog signal support
- Star-Light™ super low light technology
- 3x 2.1MP/1080p 1/3" image sensor at real-time 30fps
- 6MP 180° panoramic camera
- 3x 4.3mm fixed lenses
- True wide dynamic range (WDR)
- OSD control via coaxial (UTC)
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter

- De-Fog™ extreme weather image compensation
- Highlight masking exposure (HME)
- Auto sensing 24VAC/12VDC with line lock
- Easy icon driven OSD menu with built-in joystick
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

PART NUMBER		DWC-PB753WTW
Image	Image sensor	3x 2.1MP/1080p 1/3" CMOS
	Signal technology	HD-analog
	Effective pixels	3x 1944 (H) x 1092 (V)
	Minimum scene illumination	0.06 lux (color)
		0.01 lux (B/W)
Video output	6MP HD-analog (3x 1080p at 30fps)	
Lens	Focal length	3x 4.3mm
	Lens type	Fixed lenses
	IR distance	100ft range (DWC-EXTIR100 sold separately)
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	Total 72 privacy masks
	De-fog™	Yes
	Rs485 / UTP built-in	Yes
	Alarm output	3 alarm output
	Housing	Panoramic bullet
Environmental	Operating temperature	-4°F - 122°F (-20°C - 50°C)
	CleanView™	Yes
	IP rating	IP66 environmental-rated dust-tight and water-resistant
	IK rating	---
	Other certifications	FCC, CE, ROHS
Electrical	Power requirements	DC12V/AC24V dual voltage
	Power consumption	DC12V: 8.5W, 708mA
		AC24V: 8.5W, 354mA
Mechanical	Dimensions	9.76" x 3.08"

LPR camera



PTZ camera



Universal HD over Coax® cameras











PART NUMBER		DWC-LPR650U	DWC-PTZ20X	DWC-B6263WTIR / DWC-B6263WTIR650		DWC-C223W	DWC-B6263TIR	DWC-B7753TIR
Image	Image sensor	2.1MP/1080p 1/3" CMOS	2.1MP/1080p 1/2.8" SONY STARVIS CMOS	2.1MP/1080p 1/3" CMOS		2.1MP/1080p 1/3" CMOS	2.1MP/1080p 1/2.7" CMOS	
	Signal technology	HD-analog, HD-TVI, HD-CVI and CVBS	HD-analog, HD-TVI and CVBS	HD-analog, HD-TVI, HD-CVI and CVBS			HD-analog, HD-TVI, HD-CVI and CVBS	HD-analog, HD-TVI and CVBS
	Effective pixels	1944(H) x 1092(V)	1945(H)x1097(V)	1944(H) x 1092(V)		1944(H) x 1092(V)	1944(H) x 1092(V)	1944(H) x 1092(V)
	Minimum scene illumination	---	0.35 lux (color)	0.03 lux (color) (DWC-B6263WTIR) 0.39 lux (color) (DWC-B6263WTIR650)		0.2 lux (color)	0.2 lux (color)	0.41 lux (color)
		0 lux (B/W)	0.013 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	2.1MP/1080p at 30fps				
Lens	Focal length	6 - 50mm	4.7-94mm	2.8 - 12mm (DWC-B6263WTIR) 6 - 50mm (DWC-B6263WTIR650)		---	2.8 - 12mm	3.6mm
	Lens type	Vari-focal p-iris lens	Vari-focal with remote auto-focus lens	Vari-focal p-iris lens		C/CS mount lens	Vari-focal p-iris lens	Fixed lens
	IR distance	115ft range	---	100ft range (DWC-B6263WTIR) 150ft range (DWC-B6263WTIR650)		---	100ft range	50ft range
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Backlight compensation (BLC)	---	Yes	Yes				
	Wide dynamic range (WDR)	---	True WDR	True WDR			D-WDR	
	Day and night	B/W only	True D/N	True D/N		Eletronic D/N	True D/N	
	Privacy zones	16 privacy masks	16 privacy masks	16 privacy masks			4 privacy masks	
	De-fog™	Yes	Yes	Yes			---	---
	Rs485 / UTP built-in	Yes	RS-485	Yes			---	
	Alarm output	1 alarm output	4 input/ 2 output	1 Alarm Output			---	
Environmental	Housing	Outdoor vandal bullet	PTZ high speed dome	Outdoor vandal bullet		Indoor box	Outdoor vandal bullet	
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)				
	CleanView™	---	---	---				
	IP rating	IP66 environmental-rated dust-tight and water-resistant	IP66 environmental-rated dust-tight and water-resistant	IP66 environmental-rated dust-tight and water-resistant		---	IP66 environmental-rated dust-tight and water-resistant	
	IK rating	---	---	---				
	Other certifications	FCC, CE, ROHS	FCC, CE, ROHS	FCC, CE, ROHS				
	Electrical	Power requirements	DC12V/AC24V Dual Voltage	DC12V/AC24V dual voltage	DC12V/AC24V dual voltage		DC12V/AC24V dual voltage	DC12V
Power consumption		DC12V: 6.12W, 510mA,	Auto focus working: max. 12W, 1A	DC12V (LED off): 3W (DWC-B6263WTIR) DC12V (LED on): 4.4W (DWC-B6263WTIR) DC12V (LED off): 3W B6263WTIR650) DC12V (LED on): 6W B6263WTIR650)		DC12V: 2.45W	DC12V (LED off): 1.86W DC12V (LED on): 3.4W	DC12V (LED off): 1.86W DC12V (LED on): 3.0W
		AC24V: 5.7W, 475mA		AC24V (LED off): 2.7W (DWC-B6263WTIR) AC24V (LED on): 4.3W (DWC-B6263WTIR) AC24V (LED off): 2.7W (DWC-B6263WTIR650) AC24V (LED on): 5.5W (DWC-B6263WTIR650)		AC24V: 2.4W		
Mechanical	Dimensions	9.4" x 3.81"	6.06" x 5.9 i"	8.83" x 3.8" (DWC-B6263WTIR) 9.92" x 3.8" (DWC-B6263WTIR650)		4.71" x 2.31" x 2.44"	8.83" x 3.8"	6.47" x 2.52"

Universal HD over Coax®

Universal HD over Coax® Snapit™ cameras

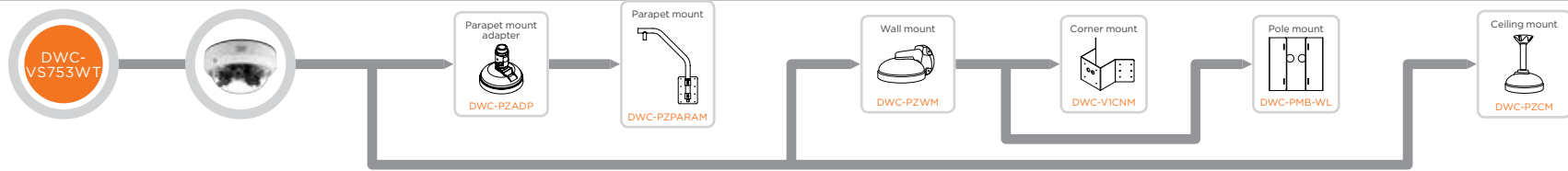
Universal HD over Coax® cameras

							
DWC-D4283WD / DWC-V4283WD	DWC-D4283WTIR / DWC-V4283WTIR	DWC-D3263WTIR / DWC-V6263WTIR	DWC-MC253WTIR	DWC-MC253WT-28	DWC-V7253WTIR	DWC-D3263TIR / DWC-V6263TIR	DWC-V7253 / DWC-V7253TIR
2.1MP/1080p 1/3" CMOS	2.1MP/1080p 1/3" CMOS	2.1MP/1080p 1/3" CMOS				2.1MP/1080p1/2.7" CMOS	
HD-analog, HD-TVI, HD-CVI and CVBS		HD-analog, HD-TVI, HD-CVI and CVBS					
1944(H) x 1092(V)	1944(H) x 1092(V)	1944(H) x 1092(V)				1944(H) x 1092(V)	
0.3 lux (color)	0.3 lux (color)	0.03 lux (color)	0.06 lux (color)	0.06 lux (color)	0.06 lux (color)	0.2 lux (color)	0.41 lux (color)
---	0 lux (B/W)	0 lux (B/W)	0 lux (B/W)	---	0 lux (B/W)	0 lux (B/W)	0 lux (B/W) (DWC-V7253TIR)
2.1MP/1080p at 30fps		2.1MP/1080p at 30fps					
2.8 - 12mm	2.8 - 12mm	2.8 - 12mm	3.6mm	2.8mm	3.6mm	2.8 - 12mm	3.6mm
Varifocal p-iris lens with motorized zoom and auto-focus		Varifocal p-iris lens	Fixed lens			Varifocal p-iris lens	Fixed lens
---	100ft range	100ft range	50ft range	---	50ft range	100ft range	50ft range (DWC-V7253TIR)
Smart DNR™ 3D digital noise reduction		Smart DNR™ 3D digital noise reduction					
Yes		Yes					
True WDR		True WDR					
Eletronic D/N	True D/N	True D/N				D-WDR	
16 privacy masks		16 privacy masks					
Yes		Yes	Yes			---	
Yes		Yes	---			---	
1 alarm output		1 alarm output	---			---	
SnapIt™ indoor and outdoor vandal domes		Indoor and outdoor vandal domes	Micro dome	Micro dome	Ultra low-profile outdoor vandal dome	Indoor and outdoor vandal dome	Ultra low-profile outdoor vandal dome
-4°F - 122°F (-20°C - 50°C)		-4°F - 122°F (-20°C - 50°C)					
Yes (DWC-V4283WD)	Yes (DWC-V4283WTIR)	Yes (DWC-V6263WTIR)				Yes (DWC-V6263TIR)	---
IP68 dust-tight and water-proof (DWC-V4283WD)	IP68 dust-tight and water-proof (DWC-V4283WTIR)	IP66 environmental-rated dust-tight and water-resistant (DWC-V6263WTIR)	IP66 environmental-rated dust-tight and water-resistant		IP66 environmental-rated dust-tight and water-resistant		IP66 environmental-rated dust- tight and water-resistant
IK 10-rated impact-resistant (DWC-V4283WD)	IK 10-rated impact-resistant (DWC-V4283WTIR)	IK 10-rated i mpact-resistant (DWC-V6263WTIR)	IK 10-rated impact-resistant			IK 10-rated impact-resistant (DWC-V6236TIR)	IK 10-rated impact-resistant
FCC, CE, ROHS		FCC, CE, ROHS					
DC12V/AC24V dual voltage		DC12V/AC24V dual voltage	DC12V				
DC12V: 3.0W	DC12V (LED off): 3.0W DC12V (LED on): 5.2W	DC12V (LED off): 2.94W DC12V (LED on): 5.22W	DC12V (LED off) : 1.7W DC12V (LED on) : 2.9W	DC12V (LED off): 1.7W	DC12V(LED OFF): 1.7W DC12V(LED ON): 2.9W	DC12V (LED off) : 1.7W DC12V (LED on) : 2.9W	DC12V (LED off) : 1.92W DC12V (LED on) : 3.12W (DWC-V7253TIR)
AC24V: 2.3W	AC24V (LED off): 2.3W AC24V (LED on): 4.6W	AC24V (LED off): 2.5W AC24V (LED on): 4.35W					
4.24" x 3.9" (DWC-D4283WD) 5.47" x 4.79" (DWC-V4283WD)	4.24" x 3.9" (DWC-D4283WTIR) 5.47" x 4.79" (DWC-V4283WTIR)	4.72" x 3.52" (DWC-D3263WTIR) 5.7" x 4.26" (DWC-V6263WTIR)	3.15" x 2.34"	3.15" x 2.34"		4.13" x 2.39"	4.13" x 2.39"

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

Camera accessories

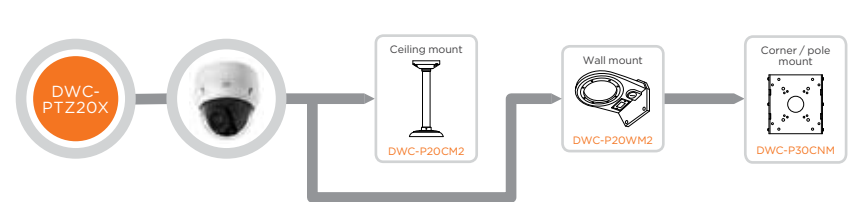
Star-light FLEX™ dome cameras



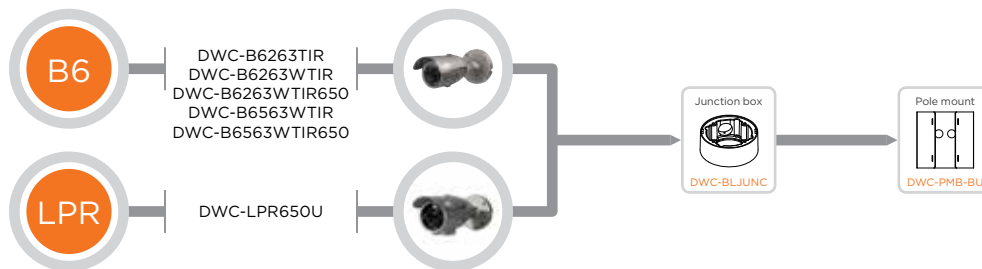
Star-light PANO™ bullet cameras



Pan, Tilt, Zoom dome cameras



Bullet cameras



Indoor dome cameras



Weather resistant bullet cameras

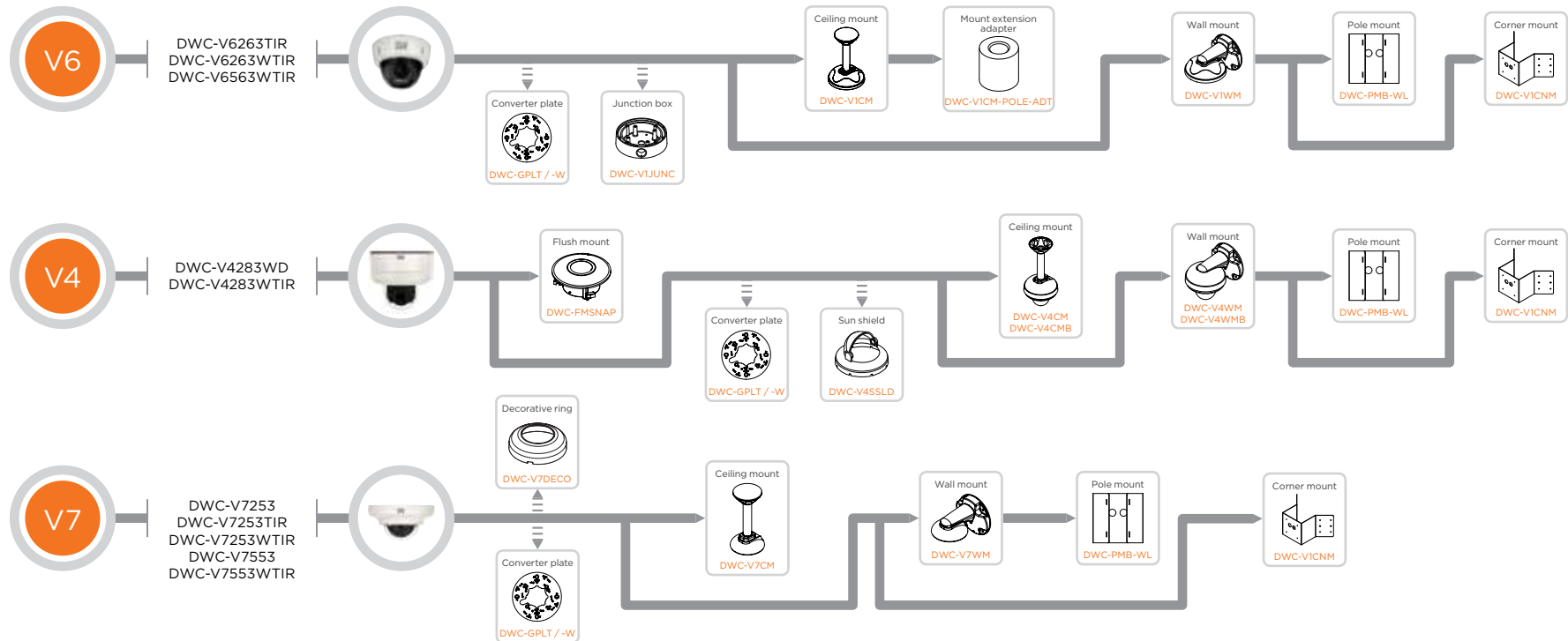


Turret cameras

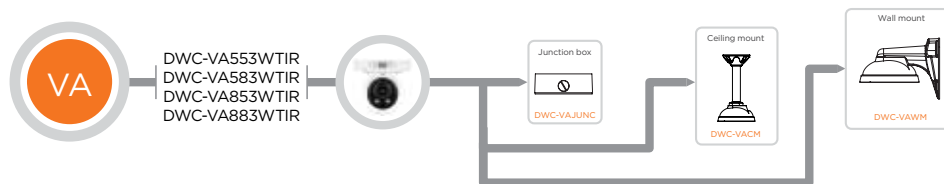


Camera accessories

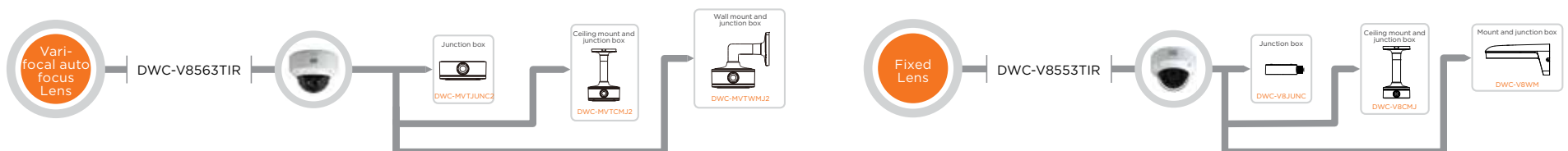
Outdoor dome cameras



Vandal ball cameras



Vandal dome cameras



Network appliances



The easiest transition from analog to IP



SPECIFICATIONS	DW-CP04	DW-ENHD16
Video input	4 analog channels	16 HD-Analog, HD-TVI up to 1080p resolution and all analog signals to 960H
Video output	4 IP channels	16 IP channels
Resolution	120fps at D1 and CIF resolutions	240fps @ 2.1MP/1080p
Video encoding	H.264, MJPEG	H.264
AUDIO		
Input	1 audio input	1 audio input
Output	1 audio output	1 audio output
INTERFACE		
Alarm input	4 alarm inputs	4 inputs
Alarm output	4 alarm outputs	1 output
RS-232	1x Port for UART device control	---
RS-485	1x port for PTZ support: Digital Watchdog PTZ series, Pelco-D, Pelco-P, Samsung, Honeywell	1 PTZ support: Pelco-D/P UTC
GENERAL		
ONVIF Conformant	Yes, profile S	Yes, profile S
Power requirements	12V (1A)	DC12V
Power consumption	DC12V: 600mA	14.4W, 1.2A
Rack mountable	DW-C19E accessory optional	DW-EN19RE (included)







Place a public monitor anywhere



SPECIFICATIONS		DW-HDSPOTMOD	DW-HDSPOTMOD16
Operating system		Embedded Linux*	
IP camera	Input	4 channels	16 channels
Display	Speed	Up to 120fps	Up to 480fps
	Screen mode	Single channel, quad view mode, sequence	Single channel, 16-Ch view mode, sequence
Video-in		IP cameras (up to 5MP, 2592 x 1944 resolution), Universal HD over Coax* VMAX* A1™ DVRs or VMAX* IP Plus™ NVRs	
Video-out	Monitor	True HD 4K or VGA	
	Resolution	3840x1944 (4K), 1920x1080, 1280x1024, 1024x768, 800x600	
Network function		Live monitoring	
		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	
		Warning alarm for system over-heating	
		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" Inch (139 x 123 x 32 mm)	



Software and Apps to manage your system remotely

				
Software:	C3™ CMS and Event Server	DW® Mobile Plus™ app	VMAX® Plus™ app (formerly VMAX IP Plus™ app)	DW® Site Viewer™ for Apple TV
Recorders:	Windows (Mac OS Coming Soon)	iOS (Android Coming Soon)	iOS and Android	Apple TV
VMAX® A1 Plus™	○	○	○	○

Camera part numbering system

Analog Camera

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

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

Notes

DW® Has You Covered.™



Complete IP
Surveillance Solutions



SOFTWARE

DW Spectrum® IPVMS

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

DW® mobile apps suite

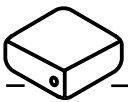
The DW® mobile apps suite for iOS® and Android® devices allows you to view, playback and monitor your systems on a smartphone or tablet.

DW Spectrum® Mobile™

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

C3™ CMS Remote management and event server software

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



RECORDERS

Blackjack® servers

Blackjack® servers powered by DW Spectrum® IPVMS provide unlimited scalability.

VMAX® IP Plus™ NVRs

VMAX® IP Plus™ are full-featured easy to use PoE NVRs that allow you to go from power up to monitoring in less than three minutes!



CAMERAS

MEGApix® IP cameras

MEGApix® 5MP, 4MP and 2.1MP/1080p IP cameras at real-time 30 frames per second. Specialty cameras include Fisheye, License Plate Recognition and PTZ models.

MEGApix® Pano™ IP cameras

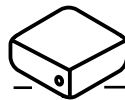
Multiple cameras in one, the multi-sensor, panoramic view cameras produce 180° views.

MEGApix® fisheye (hemispheric) IP cameras

5MP and 9MP fisheye cameras produce 180°, 270° and 360° views, replacing multiple cameras with a single installation.

MEGApix® Flex™ IP cameras

User-configurable, multi-sensor cameras produce flexible views, including 180°, 270° and 360°.



NETWORK APPLIANCES

Blackjack® Client™ workstation

The Blackjack® Client™ is the ultimate solution to viewing and monitoring several multi-sensor 48MP IP cameras from a single location.

Blackjack® NAS

Expand network storage capacity with Blackjack® NAS™

Compressor™ encoders

Compressor™ signal encoders convert all analog signals into IP streams at real-time 30fps 1080p resolution.

DW® Spot™ monitoring module

Create remote monitoring stations of your surveillance system with DW Spot™.

NightWatch™ and SiteWatch™

SiteWatch™ motion detectors and NightWatch™ illuminators are perfect for any installation that requires external lighting or motion detection.

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Complete Scalable Video Management

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



Built
for
Users.™



Open architecture / Cross platform

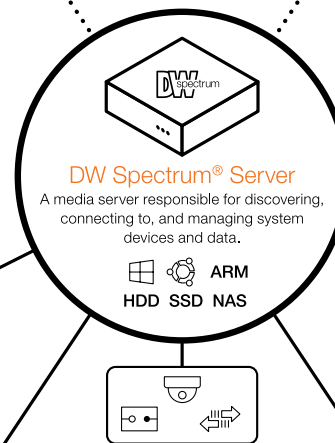
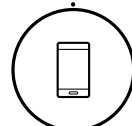
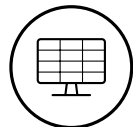
DW Spectrum® IPVMS is an endlessly customizable IP Video Management platform that gives users the ability to create tailored networked video solutions for any type of project, or use by anyone, on any device.

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

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

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

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



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

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

Storage SDK
A software development kit for integrating storage devices.

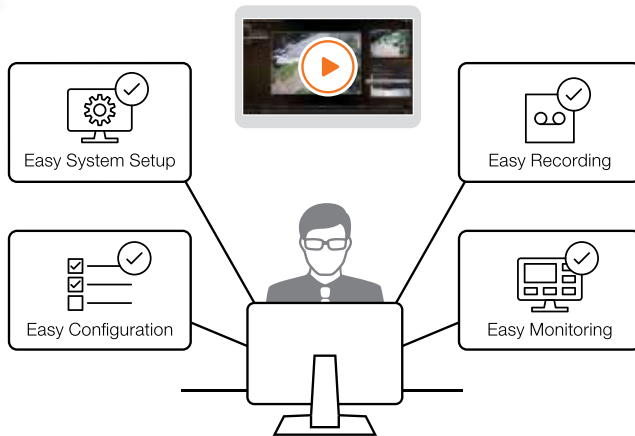
DW Spectrum® Web Admin
A web-based interface that is accessed by directly connecting to a Server IP Address.

Complete scalable recording solutions



Interface is dramatically easier to use.

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



Enterprise features are standard.

DW Spectrum® IPVMS includes many enterprise level features such as;

- Custom user role management
- Multi-server and centralized management
- Health monitor
- Video storage analytic
- Minimize video recording loss
- LDAP / active directory
- Video wall



Cross Platform



Seamless Transition



Customizable Layouts



Forensic Spyglass™



No Annual
Maintenance Fees



Enterprise Scalability



End-to-end IP solutions.

Although DW Spectrum® IPVMS is open to be deployed on a vast number of solutions, it is also part of DW's complete end-to-end IP solution, with Blackjack® servers and MEGApix® IP Cameras.



Lifetime updates included

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



End-to-end IP solutions.

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

Servers and NAS

Blackjack®

Servers Powered by DW Spectrum® IPVMS



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

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



DW Spectrum® IPVMS pre-loaded

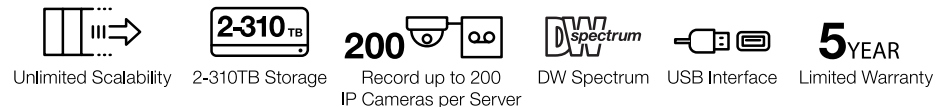
DW Spectrum® IPVMS is an endlessly customizable IP Video Management platform that gives users the ability to create tailored network video solutions for any type of project, from the office or on in the field.

Features:

- Supports all ONVIF conformant IP cameras
- Storage options 2-560TB internal storage*
- Hot swappable drives*
- Data redundancy*
- Redundant power supply*
- Record and manage single- and multi-sensor IP cameras of any resolution up to maximum 1200Mbps throughput
- Manage remotely with DW Spectrum® Client or the DW Spectrum Mobile® app
- Support for up to four (4) MEGApix® Pano™ 48MP multi-sensor camera (DWC-PZV2M72T)*

- Local monitoring outputs ports*
- Up to dual network ports*
- Windows 10® or Linux® Ubuntu® 16.04 LTS on separate SSD*
- Dedicated RAID controller*
- USB interface*
- SD card interface*
- Hosting DW Spectrum®
- One-time recording license charge, fully transferable between cameras and encoders
- Up to two (2) 4-channel licenses included for a total of 8 recording channels (DW- SPECTRUMLSC004*

- No annual maintenance fees
- Simple enterprise scalability
- Auto device discovery
- Dual stream recording
- OS recovery on USB*
- Rail kit included*
- USB mouse and keyboard included*
- Designed, assembled and tested in the U.S.A.
- Keep your failed drive warranty and retain your data
- 5 Years warranty*



Specifications

X-Rack™ servers (no HDD)



PART NUMBER		Blackjack® X-Rack™ 2U
Maximum IP cameras		200
Included IP licenses		8
Form factor		Rack mount
Operating system	Windows® 10 64 Bit	---
	Windows Server 2016*	DW-BJX2U
	Linux Ubuntu®	---
	OS on SSD	2x SSD (RAID1 mirrored), hot-swappable bays with lock
CPU		Intel Xeon® Processor with 8 Cores
Memory		32GB DDR4 ECC
Ethernet port		Option: DW-MEM32GX - 32GB (2x 16GB) memory upgrade Kit*
		2 x 10Gigabit Ethernet (RJ45)**
		Option: DW-R10NIC - secondary 10Gbps RJ45 port*
System	Max video storage rate (Mbps)	1200 Mbps
Storage	Max DW-BJNAS rack connections	4 (up to 560TB)
	Maximum hard drives	---
	Maximum storage	---
Video-Out	Outputs	True HD and DVI output (for initial configuration and server management)
	Video card	---
	Resolution	HD 1080p
Pre-loaded VMS software		DW Spectrum® IPVMS
Remote clients		Cross Platform - Windows®, Linux Ubuntu® and Mac®
Mobile apps		iOS® and Android®
Keyboard & mouse		Included
Rail kit		Included (4 post static)
Power supply		Dual 380W***, redundant power supply
Operating temperature		50°F-80°F (10°C-27°C)
Dimension (WxDxH) (inches)		17.29" x 21.93" x 3.46"
Field repair kit		---
Warranty		5 years

Rackmount NAS



PART NUMBER	Blackjack® NAS 8-Bay DW-BJ8NASxTR	Blackjack® NAS 16-Bay DW-BJ16NASxTR	Blackjack® NAS DW-BJNASxT / DW-BJNASxTR
Operating system	Proprietary Linux® embedded	Proprietary Linux® embedded	Linux® embedded
Form factor	19" Rack Mount (2U)	19" Rack Mount (3U)	Desktop
Maximum hard drives	8x 3.5" hot swappable HDDs	16x 3.5" hot swappable HDDs	2 x SATA HDD
Maximum storage capacity	70TB (8 x 10TB, RAID)	140TB (16 x 10TB, RAID)	DW-BJNASxT: 20TB (2x 10TB) DW-BJNASxTR: 10TB (2x 10TB, RAID1)
RAID	RAID 5	RAID 5	RAID1 (DW-BJNASxTR)
Max. recording channel	Max 128 2.1MP cameras with Blackjack® E-Rack™/Blackjack® P-Rack™	Max 128 2.1MP cameras with Blackjack® E-Rack™/Blackjack® P-Rack™	12ch with MEGApix® CaaS™ Max 32 2.1MP cameras with Blackjack® Bolt™ and Blackjack® Cube™
Max. recording bandwidth	Max. 600Mbps throughput	Max. 600Mbps throughput	Max. 160Mbps throughput
LED indicators	Power, activity and status (error)	Power, activity and status (error)	HDD status, power
LCD	RAID status, HDD status, network status (IP info), model info (model name and serial number), firmware info	RAID status, HDD status, network status (IP info), model info (model name and serial number), firmware info	---
Audible alert	RAID error	RAID error	---
E-mail notifications (optional)	HDD status	HDD status	---
Remote configuration	Blackjack® NAS web management console, DW IP Finder™	Blackjack® NAS web management console, DW IP Finder™	Blackjack® NAS web management console, DW IP Finder™
Supported IPVMS	DW Spectrum® IPVMS	DW Spectrum® IPVMS	DW Spectrum® IPVMS
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)
Power supply	Single SMPS 250W		DC 12V
Power consumption	100 - 240 VAC; 50/60 Hz, 4.0-1.5A at 100/240VAC		36W, 3A
Dimensions (WxDxH)	17.4" x 3.5" x 18.0"	17.4" x 5.2" x 23.4"	9.84" x 10.74" x 1.96"
Weight	19.4lbs	35.3lbs	3.3lbs
Warranty	5 year	5 year	5 year limited

* Available during initial order ** Require 10Gb network switch

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

Designed and Commissioned in the U.S.A 

Servers and NAS

E-Rack™ servers						P-Rack™ servers		
PART NUMBER		E-Rack™ 4U -36 Bay	E-Rack™ 4U -24 Bay	E-Rack™ 3U - 16 Bay	E-Rack™ 2U -12 Bay	P-Rack™ 2U w/RAID	P-Rack™ 2U	P-Rack™ 1U
Maximum IP cameras		128				128		64
Included IP licenses		8				4		
Form factor		Rack mount				Rack mount		
Operating system	Windows® 10 64 Bit	DW-BJER4UXXT	DW-BJER4UXXT	DW-BJER3UXT	DW-BJER2UXXT	DW-BJPR2UXXT	DW-BJP2UXT	DW-BJP1UXT
	Windows Server 2016®	---	---	---	---	---	---	---
	Linux Ubuntu®	DW-BJER4UXXT-LX	DW-BJER4UXXT-LX	DW-BJER3UXT-LX	DW-BJER2UXXT-LX	DW-BJPR2UXXT-LX	DW-BJP2UXT-LX	DW-BJP1UXT-LX
	OS on SSD	2x 150GB SSD (RAID1 mirrored)				150GB SSD (RAID1 mirrored) Option: DW-SSD80 – second SSD for mirroring the OS*	150GB SSD	
CPU		Intel® i7* processor				Intel® i7* processor		Intel® i5* processor upgrade processor to i7*
Memory		16GB				16GB		16GB
Ethernet port		---						
		2x Gigabit ethernet portal				2x Gigabit ethernet portal		
		Option: DW-R2NIC - upgrade DUAL 1GB NIC card				Option: DW-R2NIC - upgrade DUAL 1GB NIC card OR DW-R4NIC - upgrade QUAD 1GB NIC card *		---
System	Max video storage rate (Mbps)	600 Mbps				600 Mbps	600 Mbps	360 Mbps
Storage	Max DW-BJNAS rack connections	---	---	---	---	---	---	---
	Maximum hard drives	2 x SSD + 34 x HDD	2x SSD + 24 x HDD	2 x SSD + 16 x HDD	2 x SSD + 12 x HDD	6 x SATA HDD	1 x SSD + 7 x HDD	1 x SSD + 3 x HDD
	Maximum storage	310TB RAID 5 Option: RAID 6* Option: DW-HSD10TB - 10TB hot spare drive*	230TB RAID 5 Option: RAID 6* Option: DW-HSD10TB - 10TB hot spare drive*	150TB RAID 5 Option: RAID 6* Option: DW-HSD10TB - 10TB hot spare drive*	110TB RAID 5 Option: RAID 6* Option: DW-HSD10TB - 10TB hot spare drive*	60TB RAID 5	70TB	30TB
Video-Out	Outputs	4x HD display port outputs, simultaneous monitors				True HD output or VGA or DVI		
	Video card	AMD FinePro W4100				GeForce 210 512MB		
		4x mini display port to true HD adapters (included)				Option: DW-RV4H - 4 head HD Video Card*		
Resolution		HD 1080p				HD 1080p		
Pre-loaded VMS software		DW Spectrum® IPVMS				DW Spectrum® IPVMS		
Remote clients		Cross Platform - Windows®, Linux Ubuntu® and Mac®				Cross Platform - Windows®, Linux Ubuntu® and Mac®		
Mobile apps		iOS® and Android®				iOS® and Android®		
Keyboard & mouse		Included				Included		
Rail kit		Included				Included		
Power supply		Dual 1280W***, redundant power supply	Dual 920W***, redundant power supply			400W***	400W***	300W***
Operating temperature		41°F-104°F (5°C-40°C)				41°F-104°F (5°C-40°C)		
Dimension (WxDxH) (inches)		17.2" x 25.5" x 7"		17.2" x 25.5" x 5.25"	17.2" x 25.5" x 3.5"	17.32" x 26" x 19 "	17.32" x 26" x 3.5"	17.25" x 26.5" x 1.75"
Field repair kit		DW-FRK4U		DW-FRK3U	DW-FRK2U	---	---	---
Warranty		5 year limited				5 year limited	5 year limited	5 year limited

Cube™ servers

Mini™ slim server





PART NUMBER		Cube-DL™	Cube™	Cube-LX™	Bolt™	Mini™
Maximum IP cameras		96	64	16	16	12
Included IP licenses		4	4	4	4	---
Form factor		Desktop	Desktop	Desktop	Slim desktop	Slim desktop
Operating system	Windows® 10 64 Bit	DW-BJCUBExT-DL	---	---	---	---
	Windows Server 2016®	---	---	---	---	---
	Linux Ubuntu®	---	DW-BJCUBExT	DW-BJCUBExT-LX	DW-BJBOLTxT-LX	DW-BJMINIxT DW-BJMINIxTR
	OS on SSD	150GB SSD	---	---	---	---
CPU		Intel® i7® processor	Intel® i5® processor	Intel® i3® processor	Intel® quad core N3150 processor	ARM Cortex-A7 octa-core
Memory		16GB	16GB	4GB Option: DW-RME8 - upgrade memory to 8GB*	4GB	2GB LPDDR3
Ethernet port		2x Gigabit ethernet (ports)				1x gigabit ethernet port
System	Max video storage rate (Mbps)	480 Mbps	360 Mbps	80 Mbps	80 Mbps	60 Mbps
Storage	Max DW-BJNAS rack connections	---	---	---	---	---
	Maximum hard drives	1 x SSD + 2 x SATA HDD	3 x HDD	3 x HDD	2 x SATA HDD	2 x SATA HDD
	Maximum storage	20TB	18TB	18TB	16TB	20TB
		4x Mini display port	DVI-D or true HD output	DVI-D or true HD output	True HD output, DVI or D-sub port	---
Video-Out	Outputs	Onboard Intel HD graphics	Onboard Intel HD graphics	Onboard Intel HD graphics	---	---
	Video card	---	---	---	---	---
	Resolution	HD 1080p	HD 1080p	HD 1080p	HD 1080p	---
Pre-loaded VMS software		DW Spectrum® IPVMS			DW Spectrum® IPVMS	DW Spectrum® IPVMS
Remote clients		Cross platform - Windows®, Linux Ubuntu® and Mac®				
Mobile apps			iOS® and Android®	iOS® and Android®	iOS® and Android®	iOS® and Android®
Keyboard & mouse		Included	Included	Included	Included	---
Rail kit		---	---	---	---	---
Power supply		300W***	300W***	300W***	200W***	36W***
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)		12.8" x 8.5" x 7.5"	8.5" x 13" x 7.5"	8.5" x 13" x 7.5"	3-7/8" x 14" x 10-3/8" (Standing) 10-3/8" x 14" x 3-7/8" (Desktop)	9.84" x 10.74" x 1.96"
Field repair kit		---	---	---	---	---
Warranty		5 year limited	5 year limited	5 year limited	5 year limited	5 year limited



Command , Control , Communicate

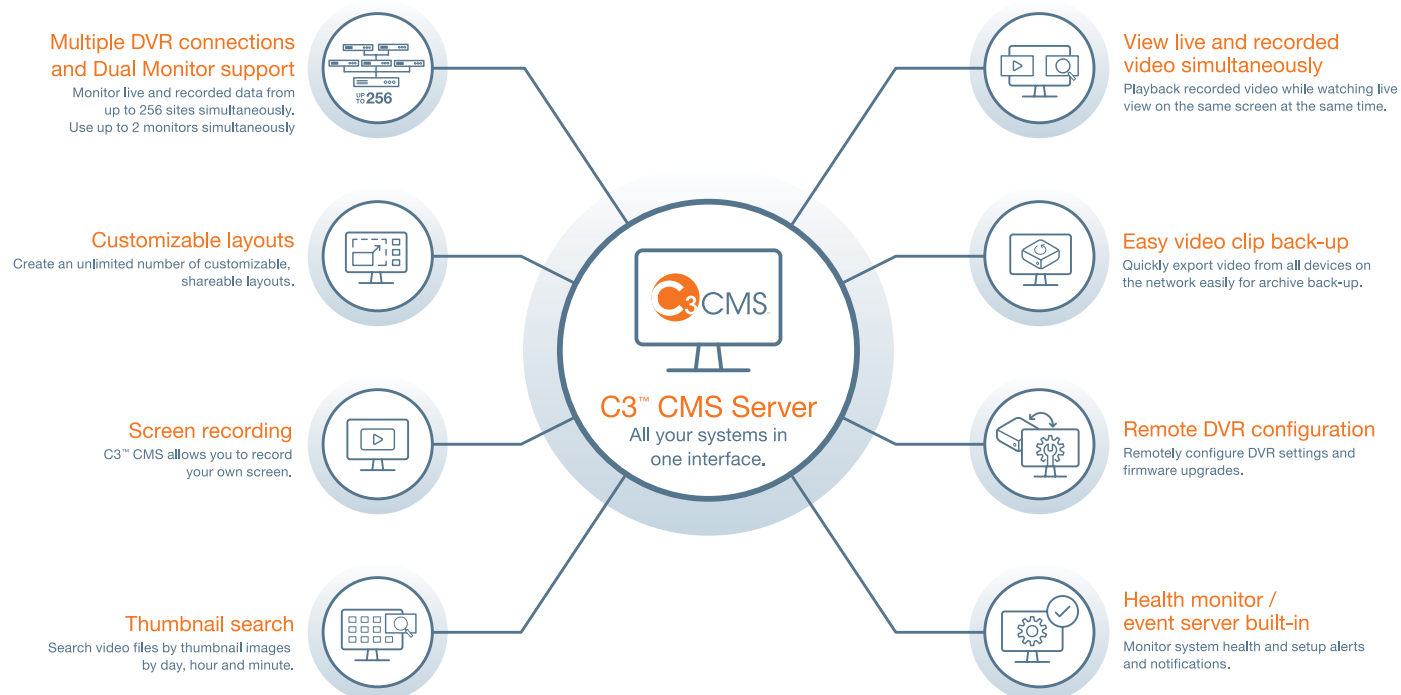
All your systems in one interface.

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

SUPPORTED OPERATING SYSTEM:  Windows®  MacOS



Manage and monitor your system from anywhere.

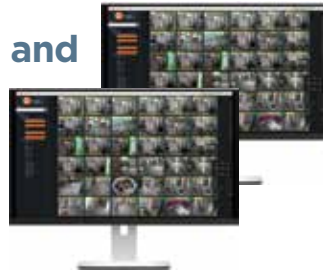


Remote management and event server software



Multiple DVR connections and Dual Monitor support

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



Customizable layouts

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



2x2 view



Corridor view



Panoramic view



Screen recording

C3™ CMS allows you to record your own screen.



Thumbnail Search

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



View live and recorded video simultaneously

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



Remote DVR configuration

Remotely configure DVR settings and firmware upgrades.



Network video recorders



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

The VMAX® IP Plus™ can record up to 5MP IP cameras and 2.1MP/1080p cameras at real-time 30fps. The NVRs are available in 4-, 8- and 16-channel models with bonus local PoE management for up to five additional channels.



The app turns the camera on a smartphone or tablet into a surveillance camera that can be viewed and recorded with DW Spectrum® IP server or a VMAX® IP Plus™ PoE NVR



Features:

- Complete installation, set up and camera configuration in under three minutes!
- Control any ONVIF camera remotely
- DW Witness™ turns a smartphone or tablet into an additional surveillance camera
- Record and manage single-sensor IP cameras up to 5MP (2592x1920), with 80Mbps maximum throughput (equivalent to 16 2.1MP IP cameras)
- Local power for up to 16 IP cameras via resident PoE switch
- CCIP™ system encryption protects surveillance system from out of network attacks

- PathFinder™ Peer-to-Peer (P2P) remote connection
- Snapshot Notify™: Camera image verification sent to an email
- C3™ CMS and event server software up to 288 channels
- Automatic device discovery
- 2TB-24TB storage options
- Mobile application for iPhone®, iPad®, iPod®, Android® smartphones and tablets
- Dual stream recording
- Easy drag and drop camera management
- Instant backup during playback

- Full HD (1080p) output for local display
- Complete system analysis with real-time system, network and PoE status monitoring
- Event notifications via e-mail and C3™ CMS and push notifications to mobile devices
- True HD and VGA simultaneous output support
- 4 sensor input, 1 alarm relay output
- Up to 12 transaction verifications via TCP and USB-serial
- Automatic private IP addressing
- Screen saver to protect monitor screen
- 5 year limited warranty



Up to 16Ch PoE



DW Mobile Witness™



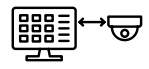
PathFinder™



CCIP™ Encryption



Real-Time Monitoring



Auto Device Discovery

Plug and play IP

Specifications



PART NUMBER		DW-VP16xT16P	DW-VP12xT8P	DW-VP9xT4P
Operating system		Embedded Linux		
System	Channel	16 channels PoE	8 channels PoE + 4 bonus channels	4 Channels PoE + 5 bonus channels
	No. of PoE	16-PoE channels	8-PoE channels	4-PoE channels
Display	Speed	Total 480fps	Total 360fps	Total 270fps
	Screen mode	1, 4, 9, 12 and 16	1, 4, 9 and 12	1, 4 and 9
Max. HDD bay		4 x SATA HDD	2 x SATA HDD	1 x SATA HDD
Video-in		IP cameras, max 5MP (2592x1920) resolution	IP cameras, max 5MP (2592x1920) resolution	IP cameras, max 5MP (2592x1920) resolution
Video-out		True HD output, VGA		
Recording speed	CIF	Up to 480fps	Up to 360fps	Up to 270fps
	D1			
	720p			
	1080p			
	5MP			
Recording resolution		Simultaneous dual stream recording		
Audio output		1 output		
Alarm input / Relay output		4 inputs / 1 output		
PTZ control		RS-485, ONVIF		
LAN		1 x Gigabit ethernet port		
Power requirements		110-240V AC	48V DC	48V DC
Power consumption		200W total power budget, 15.4W per PoE port	158.4W total power budget, 15.4W per PoE port	90.24W total power budget, 15.4W per PoE port
Operating temperature		41-104 °F (5-40 °C)		
Dimension (WxDxH)		16.53" x 15.75" x 3.46"	14.17" x 14.96" x 2.6"	10.39" x 9.65" x 1.73"

IP Cameras



Multi-sensor 180° views at up to real-time 30fps and up to 48MP.

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



48MP at 15fps, 32MP at real-time 30fps

Get wide views and forensic details from one camera. The MEGApix® Pano™ 48MP 4-sensor cameras produce 180° views at 15fps (30fps at 32MP) via a single PoE Plus connection.



Zoom into forensic-level detail

Features:

- 4x and 3x image sensors*
- 180° panoramic view IP cameras
- 4x and 3x fixed lens options*
- Single network connection/one recording license
- Fast frame rates, up to 30fps
- Zero distortion anti-reflective glass*
- True Wide Dynamic Range (WDR)*
- PoE injector included*

- Cold Start -40°F (-40°C)*
- Two-way audio*
- Easy image alignment and stitching
- Digital zoom and pan control
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Backlight compensation (BLC)*
- Auto white balance (AWB)

48MP, 21MP, 6MP
Total Resolution



5YEAR
Warranty

- Micro SD/SDHC class 10 card slot (card not included)*
- Alarm sensor input*
- Relay output*
- Web server built-in
- ONVIF conformant, profile S*
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty*



* See data sheets for specifications per camera.

48MP Pano™



21MP Pano™



6MP Pano™



PART NUMBER		DWC-PZV2M72T	DWC-PZ21M69T	DWC-PB6M4T
Image	Image sensor	4x 12MP 1/2.3" CMOS	4x 1/1.8" CMOS	3x 2.1MP/1080p 1/3" CMOS
	Total pixels	4000 x 3000 (per sensor)	3096(H) X 2080(V)	5760(H) X 1080(V)
	Minimum scene illumination	0.5 lux (color) 0.1 lux (B/W)	0.16 lux (color) ---	0.06 lux (color) 0.01 lux (B/W)
Audio input/ output		---	1 line in, 1 line out	1 line in, 1 line out
Lens	Focal length	4x 7.2mm lenses	4x 8.0mm	Three 4.3mm lenses
	Lens type	Fixed lenses	Fixed lenses	Fixed lenses
	IR distance	---		100ft range (DWC-EXTIR100 sold separately)
	Angle of view	48MP mode: 48° HFOV per image, 185° total HFOV 32MP mode: 46° HFOV per image, 180° total HFOV	180° panoramic view	180° panoramic view (3x is 62°)
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction		
	Wide dynamic range	---	D-WDR	True WDR
	Day and night	True D/N	True D/N	True D/N
	Motion detection	---	Yes	Yes
	Alarm input	---	1 alarm input	1 alarm input
	Alarm output	---	1 alarm output	1 alarm output
Network	Video compression type	H.264	H.264, MJPEG	H.265, H.264, MJPEG
	Frame rate	48MP: 15fps per sensor 32MP: 30fps per sensor	Up to 30fps at all resolutions	Up to 20fps at all resolutions
	Streaming capability	Simultaneous dual-streaming		
	On board storage	---	Micro SD/SDHC/SDXC	Micro SD/SDHC
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS		
Environmental	Housing	Outdoor housing	Outdoor housing	Outdoor vandal bullet
	Operating temperature	40° F - 122° F (-40° C - 50° C)	-4° F - 122° F (-20° C - 50° C)	-40° F - 122° F (-40° C - 50° C)
	IP rating	IP66 environmental-rated dust-tight and water-resistant		
	IK rating	---	---	---
	Other certifications	FCC, CE, ROHS	FCC, CE, ROHS, UL listing	FCC, CE, ROHS, UL listing
Electrical	Power requirements	DC12V, PoE+ IEEE802.3at (PoE injector included)	DC12V, PoE IEEE 802.3at PoE+ class 4 (PoE injector included)	DC12V, PoE IEEE 802.3af, class 3
	Power consumption	12VDC: 22.5W PoE+: 25.5W	DC12V: 21.5W PoE IEEE802.3at class4: 23.2W	MAX 10.1W (with TDN) 7.7W (without TDN)
Mechanical	Dimensions	7.55" x 4.25"	7.55" x 4.25"	9.83" x 3.8"

IP cameras



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

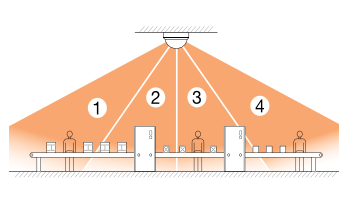
MEGApix® Flex™ 16MP multi-sensor configurable IP cameras reduce total system cost by providing four 4MP CMOS sensors in one housing and installation. The Flex™ camera produces four video streams at real-time 30fps. Zoom-in for forensic-quality details with DW Spectrum® IPVMS.



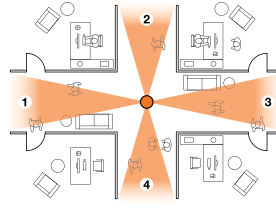
FLEX™ Four Cameras in One Installation!



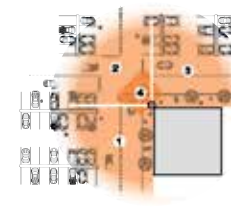
360° Parking Lot Installation



180° Assembly Line Installation



360° Hallway Installation



270° Corner Installation

Features:

16MP

Resolution at 30fps

4x

Fixed Lens Options



4-in-1
Installation



Flexible Sensor Install



IP66 Rated

5YEAR

Warranty

- 16MP 1/3" image sensors at real-time 30fps
- 360°, 270° and 180° flexible panoramic view IP camera
- Available as a complete system with 4x 4mm lens modules or camera and lenses sold separately
- Four cameras in one installation
- Flexible sensor positioning with magnets
- True Wide Dynamic Range (WDR)
- PoE injector included
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Two-way audio
- Easy image alignment and stitching

- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Micro SD/SDHC/SDXC class 10 card (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 4 and DC12V
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty



PART NUMBER		DWC-PVX16W
Image	Image sensor	4x 4MP 1/3" CMOS
	Total pixels	4x 2688(H) X 1520(V)
	Minimum scene illumination	0.41 lux (color)
Audio input/ output		1 line in, 1 line out
Lens	Focal length	2.8mm, 4.0mm, 6.0mm and 8.0mm options
	Lens type	Fixed lens
	IR distance	---
	Angle of view	H: 90° (2.8mm) H: 51° (6.0mm) H: 81° (4.0mm) H: 39° (8.0mm)
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction
	Wide dynamic range	True WDR
	Day and night	True D/N
	Motion detection	Yes
	Alarm input	1 alarm input
	Alarm output	1 alarm output
Network	Video compression type	H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions
	Streaming capability	Simultaneous triple-streaming
	On board storage	Micro SD/SDHC/SDXC
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS
Environmental	Housing	Outdoor vandal dome
	Operating temperature	-4°F - 122°F (-20°C - 50°C)
	IP rating	IP66 environmental-rated dust-tight and water-resistant
	IK rating	---
	Other certifications	FCC, CE, ROHS, UL listing
Electrical	Power requirements	DC12V, PoE+ IEEE802.3at (PoE injector included)
	Power consumption	18W
Mechanical	Dimensions	7.48" x 3.54"

IP cameras



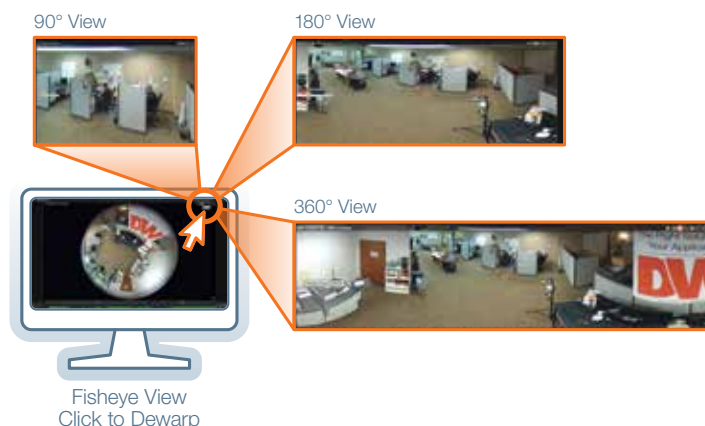
360° fisheye views at real-time 30fps.

MEGApix® Pano™ 360° view outdoor fisheye IP cameras with IR n camera, providing the ultimate ROI. The 2.1mm fisheye lens provides edge-to-edge image clarity.



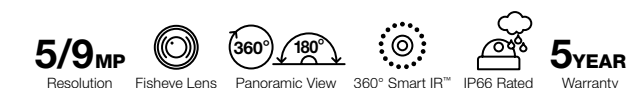
Fisheye view

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



Features:

- 9MP 1/1.7" image sensor at real-time 30fps (DWC-PVF9M2TIR)
- 5MP 1/1.8" image sensor at real-time 30fps (DWC-PVF5M1TIR)
- 2.1mm and 1.55mm fisheye lens options
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic views
- Edge-to-edge image clarity
- Multi codecs with simultaneous dual-stream
- 360° 32'-55' Smart IR™ with intelligent camera sync
- Two-way audio (DWC-PVF9M2TIR)
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)



- Backlight compensation (DWC-PVF5M1TIR)
- Auto white balance (AWB)
- Motion detection
- Micro SD/SDHC class 10 card slot (card not included)
- Ultra low-profile housing
- Alarm sensor input (DWC-PVF9M2TIR)
- Relay output (DWC-PVF9M2TIR)
- Web server built-in
- ONVIF conformant, Profile S
- PoE class 3 and DC12V
- IP66 environmental-rated dust-tight and water-resistant (DWC-PVF9M2TIR)
- 5 year warranty



PART NUMBER		DWC-PVF9M2TIR	DWC-PVF5M1TIR
Image	Image sensor	9MP 1/1.7" CMOS	5MP 1/1.8" CMOS
	Total pixels	3000(H) X 3000(V)	3096(H) X 2080(V)
	Minimum scene illumination	0.2 lux (color)	0.39 lux (color)
		0 lux (B/W)	
Audio input/ output		1 line in, 1 line out	---
Lens	Focal length	2.1mm	1.55mm
	Lens type	Fisheye lens	
	IR distance	55ft range	
	Angle of view	360°	
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction	
	Wide dynamic range	D-WDR	
	Day and night	True D/N	
	Motion detection	Yes	
	Alarm input	1 alarm input	---
	Alarm output	1 alarm output	---
Network	Video compression type	H.265 or H.264 or MJPEG	H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions	
	Streaming capability	Simultaneous dual-streaming	
	On board storage	Micro SD/SDHC	
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS	
Environmental	Housing	Fisheye vandal dome	
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	
	IP rating	IP66 environmental-rated dust-tight and water-resistant	
	IK rating	---	
Electrical	Power requirements	12V DC, PoE IEEE 802.3af, Class 3	
		DC12V Max 7.0W	LED On: 6.5W LED Off: 3.6W
	Power consumption	PoE Max 7.8W	
Mechanical	Dimensions	4.9" x 1.88"	

IP Cameras



What is CaaS?

DW's Camera as a Server edge solutions allow business owners to setup a complete single- or multi-site surveillance system by simply installing one to 12 cameras at each location...

DW's CaaS™ cameras operate as edge recorders, storing high definition IP video locally on an SD card. With the full-featured DW Spectrum® IPVMS pre-installed, the cameras can easily be managed with the client software. No software to buy and install, no license keys and no OS to maintain.



Camera as a server

The CaaS™ solution supports up to 12 cameras in the network, all accessible and manageable remotely via the DW Spectrum® client, apps and the DW Cloud™ webpage.



Features:

- 5MP and 4MP image sensor options
- LPR technology captures reflective license plates up to 50mph with up to 60' capture range*
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic views*
- Edge-to-edge image clarity
- DW Spectrum® IPVMS camera as a server
- Easily deploy with pre-loaded VMS software on camera for out-of-the-box operation
- **No server hardware required!**
- Automatic installation and licensing

- Connect up to 12 MEGApix® CaaS™ edge cameras simultaneously in a single system
- True Wide Dynamic Range (WDR)*
- Dual recording with Blackjack® NAS appliance
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- 50-140ft smart IR™ with intelligent camera sync*
- CleanView™ hydrophobic dome coating repels water, dust and grease*
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter

- Programmable privacy zones
- Motion detection / Two-way audio*
- Built-in 64GB/128GB memory
- Alarm sensor input* / Relay output*
- Web server built-in / PoE and DC12V
- Waterproof cabling*
- IP66 environmental-rated dust-tight and water-resistant / IK10-rated impact-resistant*
- 5 year warranty

4/5

Megapixel

DW
spectrum

Camera as a Server



Record



No Server Required



Up to 12 Cameras

5
YEAR

Warranty



* See data sheets for specifications per camera.

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

IP Cameras

Fisheye camera



LPR camera



PART NUMBER		DWC-PVF5M1TIRC6 DWC-PVF5M1TIRC1	DWC-MB44LPRC6 DWC-MB44LPRC1	DWC-MB44Wi650C6 DWC-MB44Wi650C1	DWC-MB44WiAC6 DWC-MB44WiAC1	DWC-MV84WiAC6 DWC-MV84WiAC1	DWC-MF4Wi6C6 DWC-MF4Wi6C1	DWC- MF4Wi4C6 DWC-MF4Wi4C1
Image	Image sensor	6.4MP 1/1.8" CMOS	4MP 1/3"x CMOS	4MP 1/3"x CMOS	4MP 1/3"x CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS
	Total pixels	3096 (H) X 2080 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)
	Minimum scene illumination	0.39 lux (color) 0 lux (B/W)	0 lux (B/W)	0.26 lux (color) 0.0 lux (B/W)	0.2 lux (color) 0.0 lux (B/W)	0.2 lux (color) 0.0 lux (B/W)	0.41 lux (color) 0.0 lux (B/W)	0.41 lux (color) 0.0 lux (B/W)
Audio input/ output		---	1 line in, 1. line out	1 line in, 1. line out	1 line in, 1. line out	---	---	---
Lens	Focal length	1.55mm, F2.5	6.0 - 50mm	6.0 - 50mm	2.8 - 12mm	2.8 - 12mm	6.0mm	4.0mm
	Lens type	Fisheye lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Fixed lens	Fixed lens
	IR distance	55ft range	60ft range	140ft range	120ft range	100ft range	50ft range	50ft range
	Field of view (FoV)	360°	90° - 73°	90° - 73°	87° - 32°	87° - 32°	51°	81°
Operational	Image capture range	---	Up to 60" and 50mph	---	---	---	---	---
	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Wide dynamic range	D-WDR	---	True WDR	True WDR	True WDR	True WDR	True WDR
	Day and night	True D/N	B/W mode only	True D/N	True D/N	True D/N	True D/N	True D/N
	Motion detection	Yes						
	Privacy zone	16 programmable privacy masks						
	Alarm input	---	1 alarm input	1 alarm input	1 alarm input	---	---	---
	Alarm output	---	1 alarm output	1 alarm output	1 alarm output	---	---	---
Network	Video compression type	H.264, MJPEG						
	Frame rate	Up to 30fps at all resolutions						
	Streaming capability	Dual-stream at different rates and resolutions						
	Video management software	DW Spectrum® IPVMS and Genetec						
	Number of DW Spectrum® CaaS™ licenses included	1 DW Spectrum® CaaS™ license included						
	Local server recording	DWC-PVF5M1TIRC6: 64GB local memory for recording DWC-PVF5M1TIRC1: 128GB local memory for recording	DWC-MB4LPRC6: 64GB local memory for recording DWC-MB4LPRC1: 128GB local memory for recording	DWC-MB44Wi650C6: 64GB local memory for recording DWC-MB44Wi650C1: 128GB local memory for recording	DWC-MB44WiAC6: 64GB local memory for recording DWC-MB44WiAC1: 128GB local memory for recording	DWC-MV84WiAC6: 64GB local memory for recording DWC-MV84WiAC1: 128GB local memory for recording	DWC-MF4Wi6C6: 64GB local memory for recording DWC-MF4Wi6C1: 128GB local memory for recording	DWC-MF4Wi4C6: 64GB local memory for recording DWC-MF4Wi4C1: 128GB local memory for recording
	Max. number of CaaS™ cameras in the same network/system	Up to 12 MEGApix® CaaS™ cameras in the same network/system						
Environmental	Housing	Fisheye vandal dome	Outdoor vandal bullet	Outdoor vandal bullet	Outdoor vandal bullet	Outdoor vandal dome	Outdoor vandal dome	Outdoor vandal dome
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	-40°F - 122°F (-40°C - 50°C)			-4°F - 122°F (-20°C - 50°C)		
	IP rating	IP66 environmental-rated dust-tight and water-resistant						
	IK rating	---	---	---	---	IK 10-rated impact-resistant	IK 10-rated impact-resistant	IK 10-rated impact-resistant
	Other certifications	CE, FCC, ROHS, UL listing						
Electrical	Power requirements	DC12V, POE IEEE 802.3af class 3. Adaptor not Included.						
	Power consumption	LED on: 6.5W	DC12V max 11W	DC12V max 11W	DC12V max 11W	DC12V: max 7.1W	DC12V: max 5.6W	DC12V: max 5.6W
		LED off: 3.6W	PoE max 12.9W	PoE max 12.9W	PoE max 12.9W	PoE: max 9.2W	PoE: max 7.4W	PoE: max 7.4W
Mechanical	Dimensions	4.9" x 1.88"	9.73" x 3.8" *Dimensions based on the position of the sun shield cover		8.77" x 3.07"	4.9" x 3.6"	4.9" x 2.9"	4.9" x 2.9"

IP Cameras



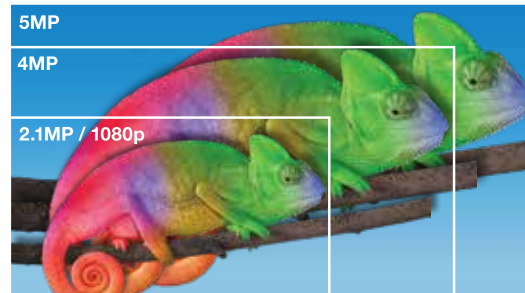
MEGApix® IP cameras provide crystal-clear images at 30fps.

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



Megapixel resolution

DW's technology delivers crystal clear images in any resolution. Higher resolution offers forensic details with zooming into the camera's field of view.



Star-Light Plus™ color in darkness technology

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



Image without Star-Light Plus™



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

Features:

- 2.1MP/1080p, 4MP and 5MP image sensors at real-time 30fps
- Star-Light Plus™ color in darkness technology*
- Vari-focal and fixed lens options
- DMP integration*
- True Wide Dynamic Range (WDR)*
- Multiple codecs (H.265, H.264, MJPEG) with simultaneous streaming*
- Cold Start -40°F (-40°C)*
- 50-150' Smart IR™ with intelligent camera sync*
- CleanView™ hydrophobic dome coating repels water, dust and grease*

- Audio input through built-in microphone*
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter*
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)*
- Auto white balance (AWB)
- Motion detection
- Two-way audio*
- Micro SD/SDHC/SDXC card (not included)*
- Junction box built-in*

- Alarm sensor input*
- Relay output*
- Web server built-in
- PoE class 2 and class 3 and DC12V
- Waterproof cabling
- ONVIF conformant, profile S
- IP64-68 environmental-rated dust-tight and water-proof housing*
- IK 10-rated impact-resistant
- 5 year warranty

5/4/2.1MP
Total Resolution



* See data sheets for specifications per camera.

LPR camera



5MP cameras



4MP Snapit™ cameras



PART NUMBER		DWC-MB44iALPR	DWC-MV85WiAT	DWC-MB45WiAT	DWC-MV85DiA	DWC-MB45DiA	DWC-MV44WiA / DWC-MV44WiAB	DWC-MV44WA / DWC-MV44WAB	DWC-MD44WiA / DWC-MD44WiAB	DWC-MD44WA / DWC-MD44WAB
Image	Image sensor	4MP 1/3" CMOS	5MP 1/2.8" Star-Light Plus™ CMOS		5MP 1/1.8" CMOS	5MP 1/1.8" CMOS	4MP 1/3" CMOS			
	Total pixels	2688(H) x 1520(V)	2592(H) X 1944(V)		2549 (H) × 1944 (V)	2592 (H) × 1944 (V)	2688 (H) x 1520 (V)			
	Minimum scene illumination	0 lux (B/W)	0.08 lux (color)		0.14 lux (color)	0.14 lux (Color)	0.12 lux (Color)			
			0.0 lux (B/W)		0 lux (B/W)	0.0 lux (B/W)	0 lux (B/W)	0.2 lux (B/W)	0 lux (B/W)	0.2 lux (B/W)
Audio input/ output		1 line in, 1 line out	1 line in, 1 line out		1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out			
Lens	Focal length	6-50mm	2.7-13.5mm		3.6-10mm	3.6-10mm	2.8-12mm			
	Lens type	Motorized zoom auto-focus p-iris lens	Vari-focal p-iris lens with motorized-zoom and auto-focus		Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens			
	IR distance	60ft Range	100ft range	140ft range	100ft range	120ft range	100ft Range	---	100ft Range	---
	Angle of view	90°-7.3°	85° - 31°		86° - 35°	86° - 35°	87° - 32°			
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction					Smart DNR™ 3D digital noise reduction			
	Wide dynamic range	---	True WDR		D-WDR	D-WDR	True WDR			
	Day and night	---	True D/N		True D/N	True D/N	True D/N	E-D/N	True D/N	E-D/N
	Motion detection	Yes					Yes			
	Privacy zones	16 privacy masks	16 privacy masks		---	---	16 privacy masks			
	Capture image range	Up to 60'	---	---	---	---	---			
	Max. vehicle speed	50mph	---	---	---	---	---			
	Alarm input	1 alarm input					1 alarm input			
	Alarm output	1 alarm output					1 alarm output			
	Network	Video compression type	H.264, MJPEG	H.265, H.264, MJPEG				H.264, MJPEG		
Frame rate		30fps at all resolutions					30fps at all resolutions			
Streaming capability		Simultaneous dual-streaming					Simultaneous dual-streaming			
On board storage		Micro SD / SDHC / SDXC	Micro SD / SDHC / SDXC		Micro SD / SDHC	Micro SD / SDHC / SDXC	Micro SD / SDHC / SDXC			
Video management software		DW Spectrum® IPVMS, plus other ONVIF conformant VMS					DW Spectrum® IPVMS, other ONVIF conformant VMS			
Environmental	Housing	Outdoor vandal bullet	Outdoor vandal dome	Outdoor vandal bullet	Outdoor vandal dome	Outdoor vandal bullet	SnapIt™ Outdoor vandal dome		SnapIt™ indoor dome	
	Operating temperature	-40°F - 122°F (-40°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-40°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-40°F - 122°F (-20°C - 50°C)	-40°F - 122°F (-40°C - 50°C)			
	IP rating	IP66 environmental-rated dust-tight and water-resistant					IP68 dust-tight and water-proof		---	
	IK rating	---	IK 10-rated impact-resistant	---	IK-10 impact resistant	---	IK 10-rated impact-resistant		---	
	Other certifications	FCC, CE, ROHS, UL listing	FCC, CE, ROHS				FCC, CE, ROHS, UL listing		FCC, CE, ROHS	
Electrical	Power requirements	DC12V PoE IEEE 802.3af class 3	DC 12V, PoE IEEE 802.3af Class 3	DC12V, PoE IEEE 802.3af class 3	DC12V (POE IEEE 802.3af class 3)		DC12V, PoE IEEE 802.3af class 3			
	Power consumption	DC12V: max 11W PoE: max 12.9W	DC12V: max 7.4W PoE: max 8.7W	DC12V: max 9W PoE: max 10.5W	AF working max 7.5W LED on: 7.2W LED off: 5.0W	LED on: 9.4W LED off: 5.1W	DC12V: max 7.3W PoE: max 9W	DC12V: max 6.4W PoE: max 8W	DC12V: max 7.3W PoE: max 9W	DC12V: max 6.4W PoE: max 8W
Mechanical	Dimensions	9.73" x 3.8" *Dimensions based on the position of the sun shield cover	4.9" x 3.6"	9.73" x 3.8" *Dimensions based on the position of the sun shield cover	4.9" x 3.6"	8.77" x 3.07"	5.47" x 4.93"		4.72" x 3.63"	

IP cameras

4MP cameras



PART NUMBER		DWC-MV84WiA	DWC-MF4Wi4 DWC-MF4Wi6 DWC-MF4Wi8	DWC-MV74Wi28 DWC-MV74Wi4 DWC-MV74Wi6	DWC-MB44Wi650	DWC-MB44WiA	DWC-MB74Wi4
Image	Image sensor	4MP 1/3" CMOS					
	Total pixels	2688 (H) x 1520 (V)					
	Minimum scene illumination	0.2 Lux (color)	0.41 lux (color)	0.41 lux (color) (DWC-MV4Wi4, DWC-MV74Wi6) 0.33 lux (color) (DWC-MV74Wi28)	0.26 lux (color)	0.2 Lux (color)	0.41 Lux (color)
		0 lux (B/W)	0 lux (B/W)	0.0 lux (B/W) (DWC-MV4Wi4, DWC-MV74Wi6) 0.0 lux (B/W) (DWC-MV72Wi28)	0.0 lux (B/W)	0 lux (B/W)	0 lux (B/W)
Audio input/ output		---	---	---	1 line in, 1 line out	1 line in, 1 line out	---
Lens	Focal length	2.8-12mm	4.0mm (MF4Wi4) 6.0mm (MF4Wi6) 8.0mm (MF4Wi8)	2.8mm (DWC-MV74Wi28) 4.0mm (DWC-MV74Wi4) 6.0mm (DWC-MV74Wi6)	6-50mm	2.8-12mm	4.0mm
	Lens type	Motorized zoom auto-focus p-iris lens	Fixed lens	Fixed lens	Motorized zoom auto-focus p-iris lens	Motorized zoom auto-focus p-iris lens	fixed lens
	IR distance	100ft range	50ft range	50ft range	140ft range	120ft range	60ft range
	Angle of view	87° - 32°	81° (DWC-MF4Wi4) 51° (DWC-MF4Wi6) 39° (DWC-MF4Wi8)	90° (DWC-MV74Wi28) 81° (DWC-MV74Wi4) 51° (DWC-MV74Wi6)	90° - 7.3°	87° - 32°	81°
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction					
	Wide dynamic range	True WDR					
	Day and night	TRUE D/N					
	Motion detection	Yes					
	Privacy zones	16 privacy masks					
	Capture image range	---					
	Max. vehicle speed	---					
	Alarm input	---	---	1 Alarm Input	1 Alarm Input	---	
Alarm output	---	---	1 Alarm Output	1 Alarm Output	---		
	Video compression type	H.264, MJPEG					
	Frame rate	30fps on all resolutions					
	Streaming capability	Simultaneous dual-streaming					
	On Board storage	Micro SD / SDHC / SDXC					
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS					
Environmental	Housing	Outdoor vandal dome	Ultra low-profile outdoor vandal dome	Ultra low-profile outdoor vandal dome	Outdoor vandal bullet	Outdoor vandal bullet	
	Operating temperature	-4°F - 122°F (-20°C - 50°C)			-40°F - 122°F (-20°C - 50°C)		-4°F - 122°F (-20°C - 50°C)
	IP rating	IP66 environmental-rated dust-tight and water-resistant					
	IK rating	IK 10-rated impact-resistant	IK 10-rated impact-resistant	IK 10-rated impact-resistant	---	---	---
	Other certifications	FCC, CE, ROHS, UL listing		CE, FCC, RoHS	CE, FCC, ROHS, UL listing	FCC, CE, ROHS, UL listing	FCC, CE, ROHS
Electrical	Power requirements	DC12V, PoE IEEE802.3at, class 3	DC12V, PoE IEEE802.3af, class 2	DC12V, PoE IEEE 802.3af class3	DC12V, PoE IEEE 802.3af class 2	DC12V, PoE IEEE 802.3af class 2	DC12V, PoE IEEE 802.3af class 2
	Power consumption	DC12V: max 7.1W PoE: max 9.2W	DC12V: max 5.6W PoE: max 7.4W	DC12V: max 5.6W PoE: max 7.4W	DC12V: max 11W PoE: max 12.9W	DC12V: max 11W PoE: max 12.9W	DC12V: max 6.1W PoE: max 7.8W
Mechanical	Dimensions	4.9" x 3.6"	4.9" x 2.9"	4.13" x 2.4"	9.73" x 3.8"	8.77" x 3.07"	6.41" x 2.65"

IP cameras with video analytics

4MP video analytics cameras



PART NUMBER		DWC-MVT4Wi28 DWC-MVT4Wi36 DWC-MVT4Wi6	DWC-MVT4WiA	DWC-MTT4Wi28 DWC-MTT4Wi36 DWC-MTT4Wi6	DWC-MTT4WiA	DWC-MBT4Wi28 DWC-MBT4Wi36
Image	Image sensor	4MP 1/3" CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS	4MP 1/3" CMOS
	Total pixels	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)
	Minimum scene illumination	0.045 lux (color)	0.045 lux (color)	0.045 lux (color)	0.045 lux (color)	0.045 lux (color)
		0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux B/W	0.0 lux (B/W)	0.0 lux (B/W)
Audio input / output		1 line in	1 line in, 1 line out	1 line in	1 line in	1 line in
Lens	Focal length	2.8mm, F1.6 (DWC-MVT4Wi28) 3.6mm, F1.6 (DWC-MVT4Wi36) 6.0mm, F1.6 (DWC-MVT4Wi6)	3.3-12mm, F1.4	2.8mm, F1.6 (DWC-MTT4Wi28) 3.6mm, F1.6 (DWC-MTT4Wi36) 6.0mm, F1.6 (DWC-MTT4Wi6)	3.3-12mm, F1.4	2.8mm, F1.6 (DWC-MBT4Wi28) 3.6mm, F1.6 (DWC-MBT4Wi36)
	Lens type	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens
	IR distance	65ft range	100ft range	65ft range	100ft range	100ft range
	Field of view (FoV)	103° (DWC-MVT4Wi28) 72° (DWC-MVT4Wi36) 24° (DWC-MVT4Wi6)	80° - 38°	103° (DWC-MTT4Wi28) 72° (DWC-MTT4Wi36) 50° (DWC-MTT4Wi6)	80° - 38°	103° (DWC-MBT4Wi28) 72° (DWC-MBT4Wi36)
Operational	Smart DNR™ 3D digital noise reduction	Smart DNR™ 3D digital noise reduction				
	Wide dynamic range	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
	Motion detection	Yes	Yes	Yes	Yes	Yes
	Privacy zones	4 programmable privacy masks	4 programmable privacy masks	4 programmable privacy masks	4 programmable privacy masks	4 programmable privacy masks
	Alarm in / out	---	1/1	---	---	---
	Camera analytics	Line crossing, perimeter intrusion, video tampering detection (scene change, video blur, abnormal color detection)				
Network	Memory slot	---	TF card	---	---	---
	Video compression type	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Frame rate	Up to 30fps at all resolutions				
	Streaming capability	Dual-stream at different rates and resolutions				
	Video management software	DW Spectrum® IPVMS and Genetec				
Environmental	Housing	Outdoor vandal dome	Outdoor vandal dome	Outdoor vandal turret	Outdoor vandal turret	Outdoor vandal bullet
	Operating temperature	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)
	IP rating	IP66 environmental-rated dust-tight and water-resistant				
	IK rating	IK 10-rated impact-resistant	IK 10-rated impact-resistant	IK 10-rated impact-resistant	IK 10-rated impact-resistant	---
	Other certifications	CE, FCC, ROHS	CE, FCC, ROHS	CE, FCC, ROHS	CE, FCC, ROHS	CE, FCC, ROHS
Electrical	Power requirements	DC12V, PoE IEEE 802.3af class 2	DC12V, PoE IEEE 802.3af class 2	DC12V, PoE IEEE 802.3af class 2	DC12V, PoE IEEE 802.3af class 2	DC12V, PoE IEEE 802.3af class 2
	Power consumption	LED on: 3.5W LED off: 2W	LED on: 5W LED off: 2.5W	LED on: 5W LED off: 2.5W	LED on: 5.5W LED off: 2.5W	LED on: 6W LED off: 2.5W
Mechanical	Dimensions	3.58" x 4.56"	4.48" x 5.9"	3.4" x 4.25"	4.3" x 5.11"	3.41" x 8.03"

IP cameras

2.1MP/1080p 30x PTZ camera



PART NUMBER		DWC-MPTZ30X
Image	Image sensor	2.1MP/1080p 1/2.8" SONY STARVIS CMOS
	Total pixels	1945 (H) X 1097 (V)
	Min. scene illumination	0.35 lux (color) 0.013 lux (B/W)
Audio input/output		1x line in and 1x line out
Lens	Focal length	4.3 - 129mm
	Lens type	Motorized zoom auto-focus p-iris lens
	IR distance	1300ft range
	Optical zoom	30x optical zoom
	Angle of view	65.1° - 2.23°
Operational	Digital noise reduction	Smart DNR™ 3D digital noise reduction
	Wide dynamic range	True WDR
	Day and night	True D/N
	Motion detection	Yes
	Privacy zones	16 privacy masks
	Range	360° endless
	Preset sequence	8 preset sequences
	Tour	8 tours
	Speed	Max. 380° / second (preset)
	Alarm input	4 alarm input
	Alarm output	1 alarm output
Network	Video compression type	H.264, MJPEG
	Frame rate	30fps at all resolutions
	Streaming capability	Simultaneous dual streaming
	On board storage	Micro SD / SDHC / SDXC
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS
Environmental	Housing	PTZ high speed dome
	Operating temperature	-22°F - 149°F (-30°C - 65°C)
	IP rating	IP66 environmental-rated dust-tight and water-resistant
	IK rating	---
	Other certifications	CE, FCC, RoHS
Electrical	Power requirements	DC12V, PoE 802.3at POE+, 55W (PoE injector included)
	Power consumption	AF working max 28W LED off : 18W
Mechanical	Dimensions	7.95" x 12.3"

2.1MP/1080p Snapit™ cameras



PART NUMBER		DWC-MV421TIR / DWC-MV421TIRB	DWC-MV421D / DWC-MV421DB	DWC-MD421TIR / DWC-MD421TIRB	DWC-MD421D / DWC-MD421DB
Image	Image sensor	2.1MP/1080p 1/2.7" CMOS			
	Total pixels	1920 (H) x 1080 (V)			
	Minimum scene illumination	0.12 lux (color) 0 lux (B/W) (IR models)			
Audio input/output		1 line in, 1 line out			
Lens	Focal length	2.8-12mm			
	Lens type	Motorized zoom auto-focus p-iris lens			
	IR distance	100ft range	---	100ft range	---
	Angle of view	106° ~ 32°			
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction			
	Wide dynamic range	True WDR			
	Day and night	True D/N	E-D/N	True D/N	E-D/N
	Motion detection	Yes			
	Privacy zones	16 Privacy masks			
	Alarm input	1 Alarm input			
	Alarm output	1 Sensor output			
	Video compression type	H.264, MJPEG			
	Frame rate	Up to 30fps at all resolutions			
	Streaming capability	Simultaneous dual-streaming			
	On board storage	Micro SD / SDHC / SDXC			
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS			
Environmental	Housing	SnapIt™ outdoor vandal dome		SnapIt™ indoor dome	
	Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)			
	IP rating	IP68 dust-tight and water-proof		---	
	IK rating	IK 10-rated impact-resistant		---	
	Other certifications	FCC, CE, ROHS			
Electrical	Power requirements	DC12V, PoE IEEE802.3af class3			
	Power consumption	DC12V: max 6.9W PoE: max 8.6W	DC12V: max 6W PoE: max 7.6W	DC12V: max 6.9W PoE: max 8.6W	DC12V: max 6W PoE: max 7.6W
Mechanical	Dimensions	5.47" x 4.93"		4.72" x 3.63"	

2.1MP/1080p cameras



DWC-MV82WiAT		DWC-MF2Wi4T		DWC-MV82WiA		DWC-MB421TIR		DWC-MB721M4TIR DWC-MB721M8TIR		DWC-MV82DiVT		DWC-MB62DiVT	
2.1MP/1080p 1/2.8" Star-Light Plus™ CMOS				2.1MP/1080p 1/2.7" CMOS		2.1MP/1080p 1/2.7" CMOS		2.1MP/1080p 1/2.7" CMOS		2.1MP/1080p 1/2.9" CMOS			
1945(H) X 1109(V)				1920 (H) x 1080 (V)		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)		2001(H) X 1121(V)			
0.02 lux (color)		0.09 lux (color)		0.2 lux (color)		0.2 lux (color)		0.41 lux (color)		0.16 lux (color)			
0.0 lux (B/W)		0.0 lux (B/W)		0.0 lux (B/W)		0.0 lux (B/W)		0.0 lux (B/W)		0.0 lux (B/W)			
1 line in, 1 line out				---		1 line in, 1 line out		---		---		---	
2.8-12mm		4.0mm		2.8-12mm		2.8-12mm		4.0mm (DWC-MB721M4TIR) 8.0mm (DWC-MB721M8TIR)		2.7-13.5mm			
Vari-focal p-iris lens with motorized-zoom and auto-focus		Fixed lens		Motorized zoom auto-focus p-iris lens				Fixed lens		Vari-focal lens			
100ft range		50ft range		70ft range		120ft range		60ft range		100ft range		90ft range	
96° - 35°		86°		106° - 32°		106° - 32°		88° (DWC-MB721M4TIR) 42° (DWC-MB721M8TIR)		89.6° - 27°			
Smart DNR™ 3D digital noise reduction													
True WDR										D-WDR		D-WDR	
True D/N													
Yes													
16 privacy masks													
1 alarm input		1 alarm output		---		1 alarm input		---		---		---	
1 alarm output		1 alarm output		---		1 alarm output		---		---		---	
H.265, H.264, MJPEG				H.264, MJPEG		H.264, MJPEG		H.264, MJPEG		H.265, H.264, MJPEG			
30fps at all resolutions													
Simultaneous dual-streaming													
Micro SD / SDHC / SDXC				Micro SD / SDHC / SDXC						---		---	
DW Spectrum® IPVMS, plus other ONVIF conformant VMS													
Vandal outdoor dome		Ultra low-profile outdoor vandal dome		Outdoor vandal dome		Outdoor vandal bullet		Outdoor vandal bullet		Outdoor vandal dome		Outdoor vandal bullet	
-4°F - 122°F (-20°C - 50°C)				14°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)			
IP66 environmental-rated dust-tight and water-resistant				IP66 certified weather and tamper resistant		IP66 certified weather and tamper resistant		IP66 certified weather and tamper resistant		IP66 environmental-rated dust-tight and water-resistant			
IK 10-rated impact-resistant				IK-10 Impact Resistant		---		---		IK 10-rated impact-resistant		---	
FCC, CE, ROHS													
DC12V, PoE IEEE 802.af, class 3													
DC12V: max 6.5W PoE: max 8.5W		DC12V: max 4W PoE: max 5.5W		DC12V: max 6.8W PoE: max 8.7W		AF Working max 12.9W LED Off : 2.9W LED On : 7.5W		DC12V: max 5.6W PoE: max 7.3W		DC12V: max 4.3W PoE: max 6.2W		DC12V: max 5.2W PoE: max 7.0W	
4.9" x 3.6"		4.9" x 2.9"		4.9" x 3.6"		8.77" x 3.07"		6.41" x 2.65"		4.9" x 3.6"		9.92" x 3.81" *Dimensions based on the position of the sun shield cover	

IP cameras

2.1MP/1080p camera



Built-in microphone



2.1MP/1080p cameras



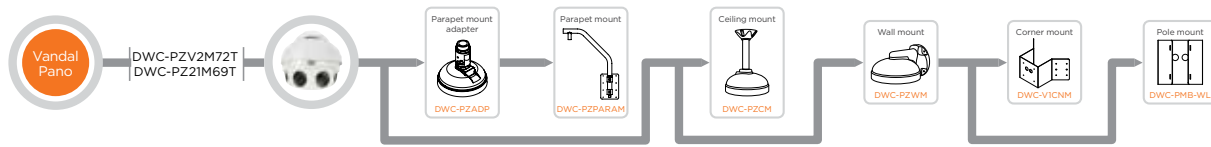
2.1MP IP cameras with DMP SecuriCam® video verification



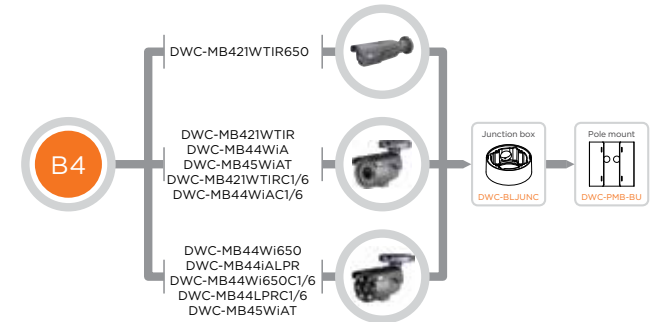
PART NUMBER		DWC-MC421D	DWC-MV72Wi28A DWC-MV72Wi4A	DWC-MF21M4TIR / DWC-MF21M8TIR	DWC-MV72Wi28 / DWC-MV72Wi4 / DWC-MV72Wi6	DWC-MF21M28T	DWC-MB721M4TIRDMP	DWC-MF21M4TDMP
Image	Image sensor	2.1MP/1080p 1/2.8" CMOS	2.1MP/1080p CMOS		2.1MP/1080p 1/2.7" CMOS	2.1MP/1080p 1/2.7" CMOS	2.1MP/1080p 1/2.7" CMOS	2.1MP/1080p 1/2.7" CMOS
	Total pixels	1920 (H) x 1080 (V)	1928(H) x 1088(V)		1928(H) x 1088(V)	1920 (H) x 1080 (V)	1928 (H) x 1088 (V)	1928 (H) x 1088 (V)
	Minimum scene illumination	0.5 lux (color)	0.39 lux (color) (DWC-MV2Wi4A) 0.25 lux (color) (DWC-MV2Wi28A)	0.41 lux (color) (DWC-MF21M4TIR) 0.25 lux (color) (DWC-MF21M8TIR)	0.39 lux (color) (DWC-MV2Wi4) 0.25 lux (color) (DWC-MV2Wi28, DWC-MV2Wi6)	0.25 lux (color)	0.41 lux (color)	0.41 lux (color)
		0.01 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)	0.0 lux (B/W)		0.0 lux (B/W)	0.0 lux (B/W)
Audio input/ output		1 line in, 1 line out	Built-in microphone	---			---	---
Lens	Focal length	---	2.8mm (DWC-MV72Wi28A) 4.0mm (DWC-MV72Wi4A)	4.0mm (DWC-MF21M4TIR) 8.0mm (DWC-MF21M8TIR)	2.8mm (DWC-MV72Wi28) 4.0mm (DWC-MV72Wi4) 6.0mm (DWC-MV72Wi6)	2.8mm	4.0mm	4.0mm
	Lens type	C/CS mount lens	Fixed lens				Fixed lens	Fixed lens
	IR distance	---	50ft range	30ft range	50ft range	---	60ft range	50ft range
	Angle of view	Based on lens selection	118° (DWC-MV72Wi28A) 88° (DWC-MV72Wi4A)	88° (DWC-MF21M4TIR) 42° (DWC-MF21M8TIR)	118° (DWC-MV72Wi28) 81° (DWC-MV72Wi4) 54° (DWC-MV72Wi6)	109°	88°	
Operational	Digital noise reduction (DNR)	Smart DNR™ 3D digital noise reduction						
	Wide dynamic range (WDR)	True WDR						
	Day and night	E-D/N	True D/N				True D/N	
	Motion detection	Yes					Yes	
	Privacy zones	16 privacy masks	16 privacy masks				16 programmable privacy masks	
	Alarm input	1 alarm input	---				---	---
	Alarm output	1 alarm output	---				---	---
Network	Video compression type	H.264, MJPEG, MPEG4	H.264, MJPEG				H.264	H.264
	Frame rate	30fps at all resolutions					30fps at all resolutions	
	Streaming capability	Simultaneous dual-streaming					Simultaneous dual-streaming	
	On board storage	Micro SD / SDHC / SDXC					---	
	Video management software	DW Spectrum® IPVMS, plus other ONVIF conformant VMS					DMP	
Environmental	Housing	Box camera	Ultra low-profile outdoor vandal dome				Outdoor vandal bullet	Ultra low-profile outdoor vandal dome
	Operating temperature	14°F - 122°F (-10°C-50°C)	-4°F - 122°F (-20°C - 50°C)				14°F - 122°F (-10°C - 50°C)	-4°F - 122°F (-20°C - 50°C)
	IP rating	---	IP66 environmental-rated dust-tight and water-resistant				IP66 environmental-rated dust-tight and water-resistant	
	IK rating	---	IK 10-rated impact-resistant				---	IK10 impact resistant
	Other certifications	FCC, CE, ROHS					CE, FCC, ROHS, UL listing	CE, FCC, ROHS
Electrical	Power requirements	PoE IEEE 802.3af class 2		DC12V, PoE IEEE 802.3af class 2			DC12V, PoE IEEE 802.3af Class 2	
	Power consumption	6.5W	PoE max 5.2W	DC12V: max 5.2W PoE: max 7.1W	DC12V: max 3.8W PoE: max 5.4W	DC12V: max 5.2W PoE: max 7.1W	DC12V: max 5.6W PoE: max 7.3W	DC12V: max 5.2W PoE: max 7.1W
Mechanical	Dimensions	5.2" x 2.17"	4.13" x 2.4"	4.9" x 2.9"	4.13" x 2.4"	4.9" x 2.9"	6.41" x 2.65"	4.9" x 2.9"

Camera accessories

MEGApix® PANO™ 48MP dome camera



Weather Resistant Bullet Cameras



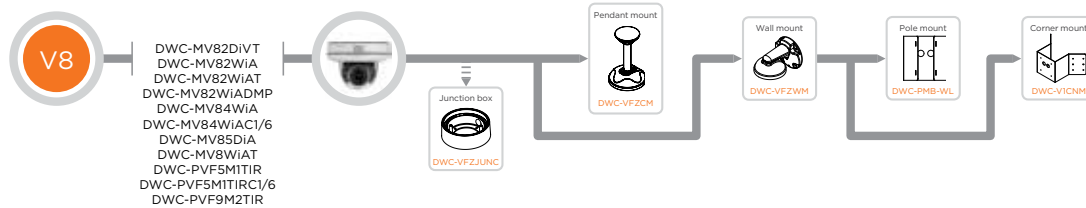
MEGApix® PANO™ 6MP bullet camera



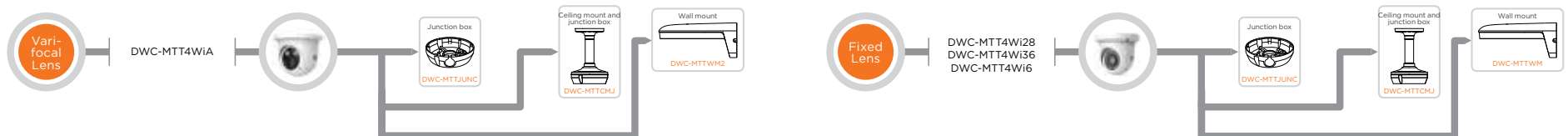
Weather resistant bullet cameras



Outdoor vandal dome camera

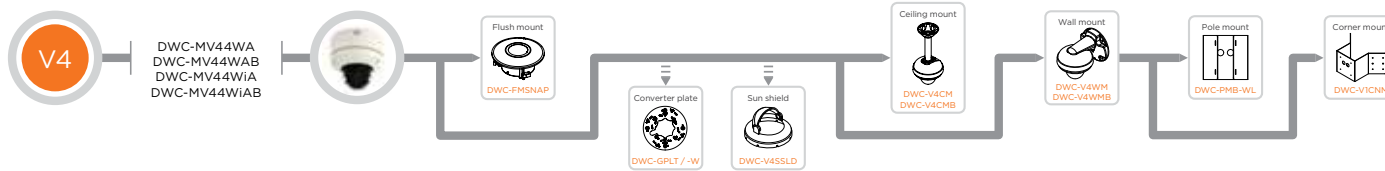


Turret cameras

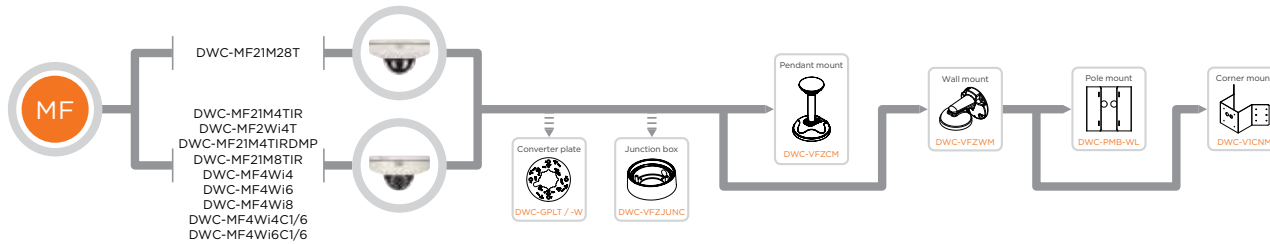


Camera accessories

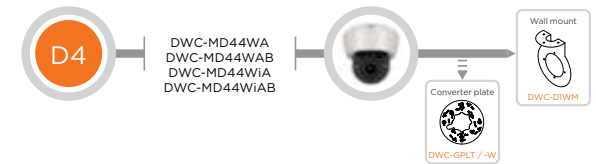
Snapit™ MV4 outdoor vandal dome cameras



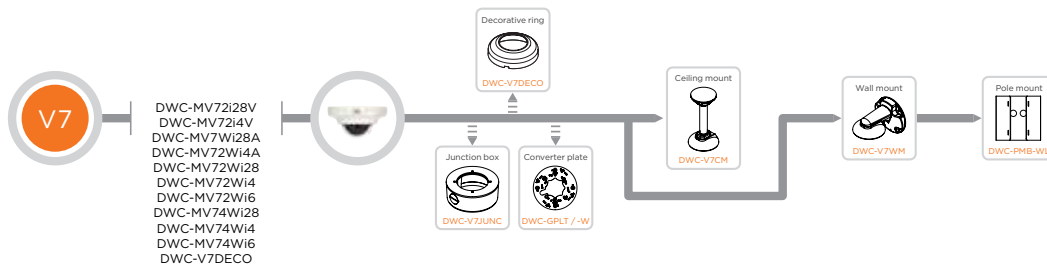
Outdoor vandal dome cameras



Snapit™ indoor dome cameras



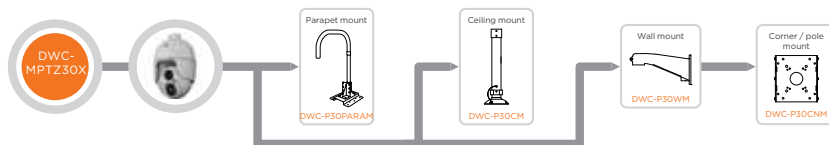
MV7 ultra low-profile outdoor vandal dome cameras



Vandal dome cameras



30x pan, tilt, zoom dome camera



Vandal dome cameras



Complement your surveillance system with motion detectors and illuminators.

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



Manage with DW Spectrum® IPVMS

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

DW spectrum®
IPVMS
 Complete Scalable Video Management

NightWatch™ Features*:

- Infra-Red (IR) and White-light LED illuminators
- Interchangeable lens pack to deliver a variety of angles out of the box
- Create different elliptical beam profiles
- Coverage distance up to 374' (115m) / 614' (187m)*
- Configure lights to switch on when motion is detected
- Activate white-light to deter intruders*
- Adjustable photocell and illumination levels
- 850nm / 940nm wavelength*
- Visible spectrum wavelength (400- 750nm)*
- Web Interface built-in
- Dual-Core™ LEDs, with advanced, current limited, integral control circuitry
- IP66 environmental-rated dust-tight and water-resistant
- IK 09-rated impact-resistant

SiteWatch™ Features*:

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

NightWatch™ Accessories:



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



DW-ILWM2
Mounting bracket for two (2) illuminators



DW-ILWM3
Mounting bracket for three (3) illuminators



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

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

Illuminators and motion detectors

Illuminators



	DW-ILIRIP850	DW-ILIRIP940	DW-ILWLIPM
Construction	Robust high-quality aluminum extrusion		
Photocell	Adjustable 20 - 70 lux		
Illumination	Adjustable 10% - 100%		
Operating temperature	-58°F to 122°F (-50°C to +50°C)		
Mount	Powder coated stainless steel wall mount		
Input	PoE+ (IEEE802.3at)		
Consumption	25W		
IP rating	IP66 environmental-rated dust-tight and water-resistant in accordance with EN60529:1992		
Electronics	High-efficiency surface mount high power Dual-Core™ LEDs with advanced, current limited, integral control circuitry		
Lumen output	---	---	2400lm
Color temperature	---	---	5700K (6000K and 6500K options available to order)
Color rendering index	---	---	Typ. 80
Recommended PSU	Any IEEE 802.3at injector (not included)		
Remote access	Web browser user interface. No software or installation needed		
Wavelength	850nm	940nm	---
Coverage distance	374' (115m)	614' (187m)	---
Warranty	2 year warranty		

Laser sensor



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



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

SiteWatch™ Accessories:



DW-DTWMDTLA5
Mounting bracket



DW-DTWT
Walk tester



DW-DTCAW
Conduit adaptor



DW-DTPM
Pole mount bracket



The easiest transition from analog to IP



SPECIFICATIONS	DW-CP04	DW-ENHD16
Video input	4 analog channels	16 HD-Analog, HD-TVI up to 1080p resolution and all analog signals to 960H
Video output	4 IP channels	16 IP channels
Resolution	120fps at D1 and CIF resolutions	240fps @ 2.1MP/1080p
Video encoding	H.264, MJPEG	H.264
AUDIO		
Input	1 audio input	1 audio input
Output	1 audio output	1 audio output
INTERFACE		
Alarm input	4 alarm inputs	4 inputs
Alarm output	4 alarm outputs	1 output
RS-232	1x Port for UART device control	---
RS-485	1x port for PTZ support: Digital Watchdog PTZ series, Pelco-D, Pelco-P, Samsung, Honeywell	1 PTZ support: Pelco-D/P UTC
GENERAL		
ONVIF Conformant	Yes, profile S	Yes, profile S
Power requirements	12V (1A)	DC12V
Power consumption	DC12V: 600mA	14.4W, 1.2A
Rack mountable	DW-C19E accessory optional	DW-EN19RE (included)











Place a public monitor anywhere



SPECIFICATIONS		DW-HDSPOTMOD	DW-HDSPOTMOD16
Operating system		Embedded Linux*	
IP camera	Input	4 channels	16 channels
Display	Speed	Up to 120fps	Up to 480fps
	Screen mode	Single channel, quad view mode, sequence	Single channel, 16-Ch view mode, sequence
Video-in		IP cameras (up to 5MP, 2592 x 1944 resolution), Universal HD over Coax* VMAX* A1™ DVRs or VMAX* IP Plus™ NVRs	
Video-out	Monitor	True HD 4K or VGA	
	Resolution	3840x1944 (4K), 1920x1080, 1280x1024, 1024x768, 800x600	
Network function		Live monitoring	
		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	
		Warning alarm for system over-heating	
		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" Inch (139 x 123 x 32 mm)	



Software and Apps to manage your system remotely

								
Software:	C3™ CMS & Event Server	VMAX® IP Plus™ viewer for Mac	DW® Mobile Plus™ app	VMAX® Plus™ app (formerly VMAX IP Plus™ app)	DW® Witness™ app	DW® Spectrum® legacy app	DW® Spectrum® mobile app	DW® Site Viewer™ for Apple TV
Recorders:	Windows (Mac OS Coming Soon)	Mac OS	iOS (Android Coming Soon)	iOS and Android	iOS and Android	iOS and Android	iOS and Android	Apple TV
Servers with DW Spectrum® IPVMS v2.5 or Higher	---	---	○	---	○ (v3.2.0.28261 and higher)	---	○	○
VMAX® IP Plus™	○	○	○	○	○	---	---	○
Servers with DW Spectrum® IPVMS Up to v2.4	---	---	---	---	---	○ (up to v2.4)	---	---

Current Models: Legacy Models:

Camera part numbering system

IP camera

Model	Technology	Housing type	Case	Resolution	WDR	IR	Lens	Color	Special Feature
DWC-DW Camera	M-Megapixel P-Pano	D: Indoor dome V: Vandal dome C: Box B: Bullet MF: Ultra low-profile dome VF: Vandal Fisheye F: Indoor Fisheye T: Turret	Internal use	2: 2.1MP/1080p 4: 4MP 5: 5MP 6: 6MP 9: 9MP 16: 16MP 21: 21MP 32: 32MP 48: 48MP	W: True WDR D: Digital WDR	i	28: 2.8mm 4: 4mm 6: 6mm 8: 8mm A: Auto-focus V: Vari-focal	B: Black W: White	VA: Video analytics V: Value line L: LPR A: Audio H: Heater C1: CaaS 128GB C6: CaaS 60GB
DWC-	M	B	7	2		i	4	-	V
DWC-	M	V	8	4	W	i	A	-	-

Example 1: DWC-MB72i4V = Bullet 4MP IP camera with IR.

Example 2: DWC-MV84WiA = Vandal dome 4MP IP camera with WDR, IR and auto focus lens.