

MEGAPIX[®] V-CLASS[™]
IP Cameras



High-quality MEGApix IP cameras offering a cost-effective solution



What is MEGApix V-Class?

DW's V-Class cameras are cost-effective, NDAA-compliant video solutions that deliver crystal-clear real-time 4MP video. The cameras feature basic video analytics and standard features such as Smart IR™ WDR and H.265 codec support, making these cameras ideal for small to medium-sized businesses looking to enhance their existing video solution at an affordable price. The V-Class cameras are NOT eligible for DW Double Down.

Higher Resolution = More Pixels, More forensic details

DW's technology delivers crystal-clear images in high resolution, allowing for smaller details to appear clear and sharp when zooming into the scene.



Higher Resolution = more pixels to zoom into.

Details are lost in lower resolution zoom.

Smart DNR™ 3D digital noise reduction

Smart IR™ adjusts the image for IR cameras to prevent excessive illumination.



IR light reflects from object, reducing visibility



Smart IR™ cameras distribute the IR light evenly in the FoV

True Wide Dynamic Range (WDR)

Cameras with true WDR technology have advanced sensors that can deliver clear images in a wider range of lighting.



Image is over exposed



Image is under exposed



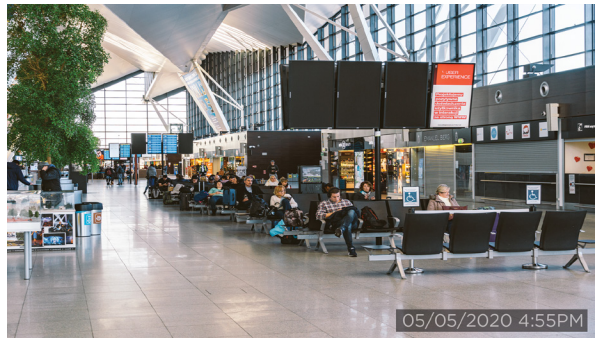
WDR image is clear and balanced

Simultaneous dual-streams

Use the camera's dual-stream feature to manage traffic and bandwidth on your network, with high-resolution stream for recording and standard-resolution stream for live monitoring.



Camera's secondary stream for live monitoring. Lower resolution, reduced bandwidth use.



Camera's main stream for recording. High-resolution, high bandwidth use.

Smart DNR™ 3D digital noise reduction

Use DW's exclusive noise reduction technology to produce clearer color and monochromatic video in low-light without adding visual lag or ghost effects.



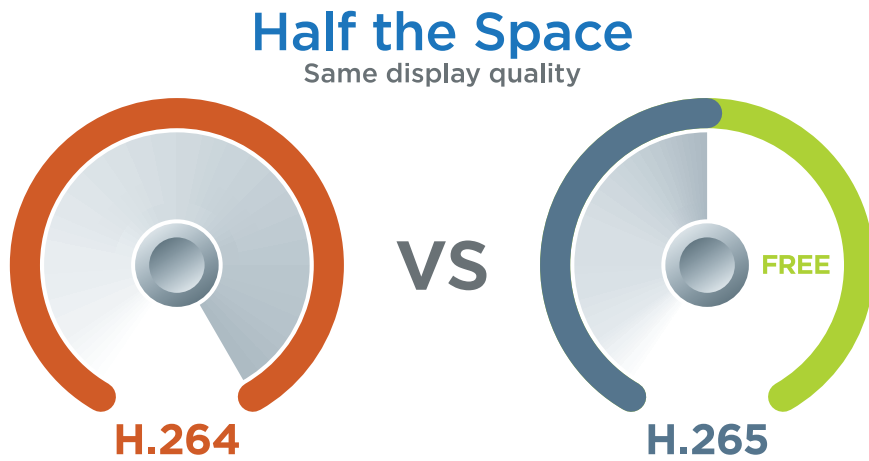
Digital noise in low light environments



Smart 3D DNR clarifies digital noise

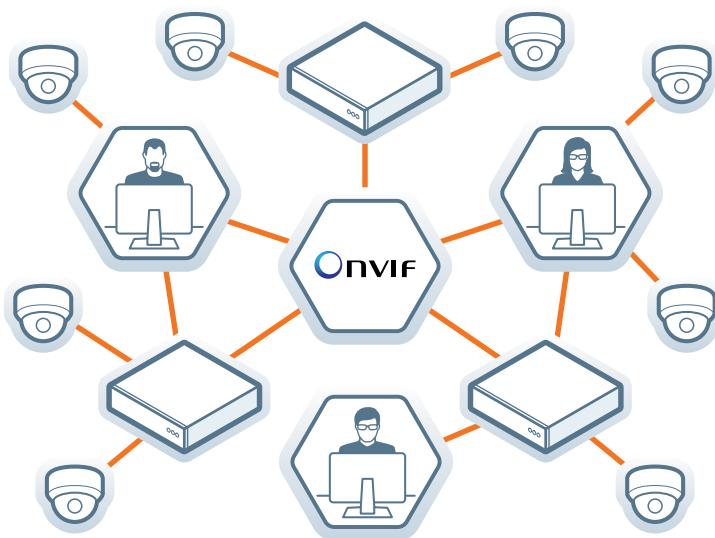
H.265 codec support

High-Efficiency video codec standards deliver 25% to 50% better data compression while maintaining video quality.



ONVIF® Conformant

DW's ONVIF conformant IP products allow you to bring our robust solutions to any surveillance system with other ONVIF components, creating a truly unique solution, to match your specific needs.



Basic video analytics are included at no extra cost

License-free intelligence video analytics are included with the cameras, offering customizable detection zones and event-based alarms. DW's license-free analytics reduce false alarms and increase overall efficiency at no extra cost.



Perimeter Intrusion

Alert operators when an area is crossed from any direction.



Line Crossing

Alert operators when a line is crossed from either direction.



Scene Change

Alert operators when the camera is moved or the FoV changes.



Color Change

Alert operators when the camera's color reproduction changes.



Video Blur

Alert operators when the camera's view appears out of focus.



IP67-Rated

IP67 rating has protection against dust and water up to 1m.



IK10 Impact Resistant

IK10 rating protects against impact equivalent to 5kg mass dropped from 400mm.



3 Year Warranty

All DW cameras come with NESS 3-year warranty.

NDAA / TAA Compliant

DW IP cameras, analog cameras, NVRs, DVRs, network devices and management software sold and distributed worldwide are designed and developed in U.S.A. and Korea with manufacturing in Korea, Vietnam and Taiwan.

Most DW products qualify for U.S. GSA Schedule Contracts and other government opportunities because they are TAA and NDAA compliant, also making them suitable for Australian government use.



NDAA
COMPLIANT PRODUCT



Trade
Agreements
Act FAR 52.225-5

Intelligent Video Analytics



PART NUMBER		123-042-2 DWC-VSDG04Bi	123-042-M2 DWC-VSDG04Mi	123-040-2 DWC-VSTB04Bi	123-040-M2 DWC-VSTB04Mi	123-041-2 DWC-VSBD04Bi	123-041-M2 DWC-VSBD04Mi
Image	Image sensor	4MP 1/3" CMOS					
	Total pixels	2560 × 1440					
	Minimum scene illumination	0.005 lux (color)					
		0.0 lux (B/W)					
Audio input/ output		1 audio input and 1 microphone built-in	1 audio input and 1 microphone built-in/ 1 output	1 audio input and 1 microphone built-in			
Lens	Focal length	2.8mm	2.8-12mm	2.8mm	2.8-12mm	2.8mm (DWC-MB95Wi28T)	2.8-12mm
	Lens type	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens	Fixed lens	Vari-focal remote auto-focus lens
	IR distance	100ft range	164ft range	100ft range	164ft range	164ft range	164ft range
	Angle of view	94°	92°-31°	94°	92°-31°	94°	92°-31°
Digital noise reduction (DNR)		Smart DNR™ 3D digital noise reduction					
Operational	Wide dynamic range (WDR)	True WDR					
	Day and night	True D/N					
	Motion detection	Yes					
	Privacy zones	8 programmable privacy masks					
	Alarm input	---					
	Alarm output	---					
Network	Video compression type	H.265, H.264, MJPEG					
	Frame rate	Up to 30fps at all resolutions					
	Streaming capability	Simultaneous dual-streaming					
	Onboard storage	Micro SD / SDHC / SDXC					
	Video management software	DW Spectrum IPVMS, plus other ONVIF conformant VMS					
Environmental	Housing	Vandal dome		Turret		Bullet	
	Operating temperature	-30°C - 60°C					
	IP rating	IP67-rated					
	IK rating	IK 10-rated impact-resistant					
	Other certifications	CE, FCC, ROHS, NDAA compliant					
Electrical	Power requirements	DC 12V, PoE IEEE 802.3af Class 3.					
	Power consumption	<4.5W	<7.5W	<5W	<8W	<8W	<8W
Mechanical	Dimensions	117 x 90mm	141 x 100mm	108 x 96mm	131 x 109mm	221 x 81 x 70.5mm	221 x 81 x 70.5mm

Ordering Information

123-042-2	DWC-VSDG04Bi MEGApix V-Class 4MP Dome 2.8mm
123-042-M2	DWC-VSDG04Mi MEGApix V-Class 4MP Dome 2.8-12mm
123-040-2	DWC-VSTB04Bi MEGApix V-Class 4MP Turret 2.8mm
123-040-M2	DWC-VSTB04Mi MEGApix V-Class 4MP Turret 2.8-12mm
123-041-2	DWC-VSBD04Bi MEGApix V-Class 4MP Bullet 2.8mm
123-041-M2	DWC-VSBD04Mi MEGApix V-Class 4MP Bullet 2.8-12mm



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