



Summary

This 4K serverless NDAA/TAA-compliant MEGAPIX AI CloudCam vandal dome IP camera is an all-in-one cloud recording solution with an edge AI engine 1TB storage onboard. CloudCam cameras are preloaded with DW Spectrum server and license; no additional server hardware is required.

Features & Benefits

- 4K sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology
- Seamless integration and control with DW Spectrum
- Built-in 1TB storage options for up to 90 days of retained video
- Easily to deploy with pre-loaded DW Spectrum for out-of-the-box operation.
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- Vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and focused image any time
- True Wide Dynamic Range (WDR) for clear images in challenging light
- Simultaneous streaming and multiple codec options for smart bandwidth management
- 100' Smart IR™ with intelligent camera sync for clear B/W images with no need for external light
- Smart DNR 3D digital noise reduction minimizes noise and ghosting in motion, particularly in low-light environments.
- Privacy zones cover sensitive areas in the camera's field of view.
- Two-way audio with a built-in microphone for direct communication between the monitoring station and the camera's location
- Alarm sensor input and relay output for access control integration
- Web server built-in for easy camera management from any browser
- PoE and DC12V for single cable simplified installation
- NDAA/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

Accessories (Optional)



DWC-VFWMW
Wall mount bracket



DWC-PMB-WLW
Pole mount bracket



DWC-VFJUNCW
Junction box



DWC-V1CNMW
Corner mount



DWC-VFCMW
Ceiling mount bracket



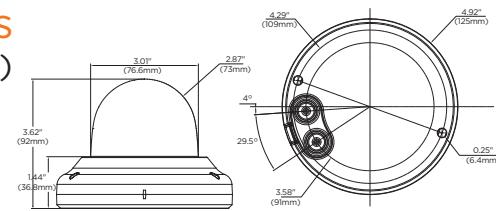
DWC-VFFMW
Flush mount



DWC-VFHMW
Hanging mount

Dimensions

Unit: Inch (mm)



Specifications

IMAGE	
Image sensor	4K 1/2.8" Star-Light Plus sensor
Total pixels	3864(H) x 2228(V)
Active pixels	3840(H) x 2160(V)
Minimum scene illumination	0.09 lux (color), 0 lux (B/W)
Test monitor video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
LENS	
Focal length	2.7-13.5mm, F1.4
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Field of View	HFOV: 33.1°-90.3° VFoV: 18.9°-49°
IR distance	100ft range
Optical zoom	5x optical zoom
I/O	
Audio in/out, compression	1 microphone built-in/1 output, G.711
Alarm input/output	1 input/1 output
INTELLIGENT VIDEO ANALYTICS	
Deep learning analytics	Deep Learning object tracking
	Zones and lines, tamper, metadata, intrusion, line crossing, counting, counting lines, appear, disappear, stopped, enter, exit, direction, tailgating, dwell, logical rules
OPERATIONAL	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/15 - 1/32000
Slow shutter	1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10
Auto gain control	Auto
Day and night	TDN, Auto, day (color), night (B/W)
3D Digital Noise Reduction	Smart DNR 3D-DNR
Wide Dynamic Range (WDR)	True WDR, 120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Mirror and flip	Yes
Alarm notifications	Notifications via email, FTP, alarm output and SD card recording
Memory slot	Micro SD/SDHC/SDXC class 10 card (not included)
NETWORK	
LAN	1000Base-T (1Gbps)
Video compression type	H.265, H.264, MJPEG
Resolution	H.265, H.264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps - 25Mbps, multi-rate for preview and recording
Bitrate control	Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4
Protocol	TCP/IP, UDP, AutoIP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3 (MIB-2), ONVIF
Security	HTTPS (TLS), IP filtering, 802.1x, digest authentication
ONVIF conformance	Yes
Web viewer	OS: Windows, Mac OS, Linux Browser: Microsoft Edge, Google Chrome, Mozilla Firefox, Safari
Video management software	1DW Spectrum CaaS license included
DW Spectrum edge license	1DW Spectrum edge license included
Local server recording	1TB local memory for recording
Max. number of CloudCam cameras in a network/system	Up to 10 MEGAPIX AI CloudCam cameras in a network/system
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% RH, (non-condensing)
IK rating, IP rating	IK10 impact-resistant, IP67-rated
Other certifications	CE, FCC, UL, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)
Power consumption	DC12V: 10.2W, 850mA, PoE: 12.5W, 260mA
MECHANICAL	
Material	Aluminum die-casting vandal housing, polycarbonate dome
Dimensions	4.92" x 3.62" (125 x 92mm)
Weight	1.14 lbs (0.52 kg)
Warranty	5 year warranty



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