Dimensions
Unit: Inch (mm)

3.74" (95mm)

4.8" (22mm) 4.17" (106mm)

1.37" (35mm) 4.92" (125mm)

Summary

This NDAA/TAA-compliant MEGApix Ai turret IP camera is the ultimate active deterrent. It delivers 4K resolution at 30fps, featuring a built-in 90ft range white light and red/blue flashing LEDs. A deep-learning onboard edge AI engine identifies people, vehicles, and objects in real-time. An all-in-one camera, it also includes alarm functions, a built-in microphone and speaker.

Features

- 4K sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology.
- AI Deep Learning object detection.
- Create up to 40 separate detection zones.
- Easy setup with no manual calibration
- Seamless integration and control with DW Spectrum.
- Reduce false alarms with multiple detection zones and logical rules.
- Increase your recording storage with smart recording and no false alarms.
- Active deterrence with white light illumination and red/blue flash LEDs for an all-in-one camera installation
- Vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and a 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
- 90' white light illumination with intelligent camera sync for clear color 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 built-in microphone and speaker for direct communication between the monitoring station and the camera's location.
- Local SD card slot for local recording in case of network loss.
- Alarm sensor input and relay output for access control integration
- Web server built in for easy camera management from any browser
- High-power 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
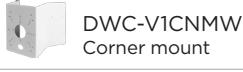- 5 year warranty
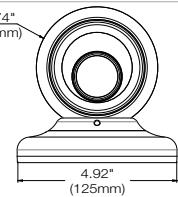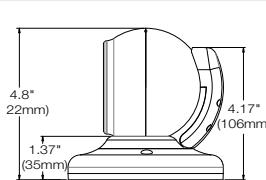
Specifications

IMAGE	
Image sensor	8.48MP 1/1.8" Star-Light Plus™ sensor
Total pixels	3856(H) X 2200(V)
Active pixels	3840 (H) X 2160 (V)
Minimum scene illumination	0.035 lux (color)
	0 lux (white light)
Color temperature	Warm light, 3300K
WL wavelength (lumen)	200lm
S/N ratio	50dB
LENS	
Focal length	3.6-10mm F1.5
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Horizontal Field of view (HFoV)	45.7°-98.4°
Vertical Field of view (VFoV)	25.9°-54.6°
IR distance	90ft range white light
Optical zoom / digital zoom	2.7x optical zoom
I/O	
Audio input/output	1 microphone built-in/ 1 speaker built-in
Audio compression	G.711 ulaw
Alarm input/output	1 input/1 output
Event trigger	Motion alarm, network loss, temperature anomaly, illegal login, schedule, sensor detection
INTELLIGENT VIDEO ANALYTICS	
Deep learning analytics	Deep Learning object tracking
Analytics filters	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	Color only
3D Digital Noise Reduction	Smart DNR™ 3D-DNR
Wide Dynamic Range (WDR)	True WDR
Wide Dynamic Range (WDR) dB	120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Mirror and flip	Yes
Alarm notifications	Notifications via email, FTP, alarm output, SD card recording and flashlight
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: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 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	Triple Streaming (3rd stream MJPEG only)
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 OS, Mac OS, Linux OS
	Browser: Microsoft Edge, Google Chrome, Mozilla Firefox, Safari
Video management software	DW Spectrum
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10–90% RH, (non-condensing)
IK rating	IK10 impact-resistant
IP rating	IP67-rated
Other certifications	CE, FCC, UL, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE, adapter not included
Power consumption	12V DC: 12W, 1A ; PoE: 15W, 312.5mA
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate lens cover
Dimensions	4.92" x 4.79" (125 x 121.7 mm)
Weight	1.94 lbs (0.88 kg)
Warranty	5 year warranty

Accessories (Optional)

- DWC-PMB-WL-W — Pole mount
- DWC-V1CNMW — Corner mount
- DWC-VAJUNC — Junction box
- DWC-GPLT-W — Converter plate
- DWC-VFHMW — Hanging mount
- DWC-VACM — Ceiling mount
- DWC-VAWM — Wall mount

Built for Users™

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