AI INSIDE | **STAR-LIGHT PLUS™** | **H.265** H.264/MJPG | **30fps** | **NDAA/TAA COMPLIANT PRODUCT**

Dimensions
Unit: Inch (mm)

3.74" (95mm)
4.8" 22mm
4.17" (106mm)
1.37" (35mm)
4.92" (125mm)

Specifications

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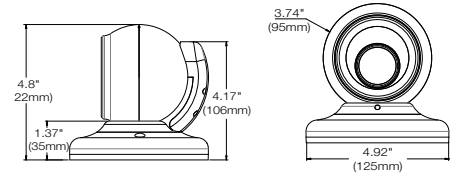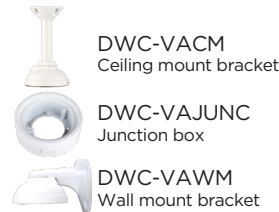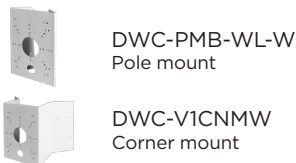
Summary

This NDAA/TAA-compliant MEGApix® Ai™ 5MP turret IP camera comes with an AI plugin QR code reader on board, detecting and registering QR codes in DW Spectrum® IPVMS. The camera delivers a 90ft range of white light and Star-Light Plus™ color in near-total darkness technology for clear images in any lighting conditions, making it an ideal way to streamline applications using QR codes for asset and data management.

Features and Benefits

- 5MP sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology.
- QR code reader detects and registers codes in the FoV with green LED visual verification.
- AI Deep Learning object detection.
- Create up to 40 separate detection zones.
- Easy setup with no manual analytics calibration.
- Seamless integration and control with DW Spectrum® IPVMS.
- Red/blue flash LEDs for an all-in-one crime deterrence solution.
- 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 reduces noise and ghosting for motion 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

Accessories (Optional)

DWC-PMB-WL-W
Pole mount

DWC-V1CNMW
Corner mount

DWC-VACM
Ceiling mount bracket

DWC-VAJUNC
Junction box

DWC-VAWM
Wall mount bracket

IMAGE	
Image sensor	1/2.8" 5.17MP Star-Light Plus™ sensor
Total pixels	2608(H) X 1984(V)
Active pixels	2592(H) X 1944(V)
Minimum scene illumination	0.03 lux (color), 0 lux (white light)
Color temperature	Warm light, 3300K
WL wavelength (lumen)	200lm
S/N ratio	50dB
LENS	
Focal length	2.7-12mm F1.3
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Field of view HFoV/VFoV	31.5°-89.9°/ 23.6°-64.5°
LED distance	90ft range white light
Zoom	4.4x optical zoom
I/O	
Audio in/out, compression	1 microphone built-in/ 1 speaker built-in, G.711 ulaw
Alarm in/out	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
Additional plugins	QR Code reader (enabled by default. Must be disabled to turn on Ai plugin)
Analytics filters (disabled by default)	Zones and lines, tamper, metadata, intrusion, line crossing, 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, 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	RJ45 (10/100Base-T)
Video compression type	H.265, H.264, MJPEG
Resolution	H.265, H.264: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 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®, Mac® OS, Linux® Browser: Microsoft Edge®, Google Chrome®, Mozilla Firefox®, Safari®
Video management software	DW Spectrum® IPVMS
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C ~ 50°C)
Operating humidity	10–90% RH (non-condensing)
IK/IP rating	IK10 impact-resistant/ IP67-rated
Other certifications	CE, FCC, UL, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE, adapter not included
Power consumption	12V DC: 12W, 1A, PoE: 15.8W, 329.1mA
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

Built for Users™

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