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

Dimensions
Unit: Inch (mm)

2.87" (73mm)

5.11" (130mm)

3.08" (78.4mm)
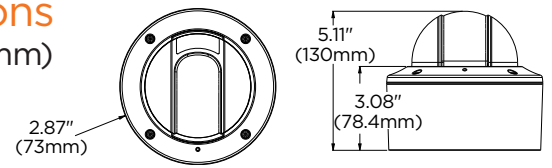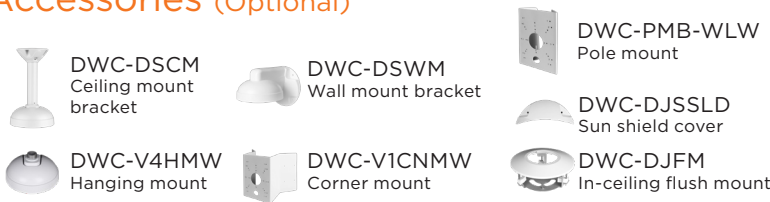
Summary

This MEGApix® Ai™ IP camera provides 4K resolution, placing the power of Ai deep learning at your fingertips, with object detection and people tracking. This camera features Star-Light Plus™ color in near-total darkness technology in a weather-resistant vandal dome housing with junction box built-in and Cold Start at -40°F/-40°C.

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 analytics calibration
- Seamless integration and control with DW Spectrum® IPVMS
- Reduce false alarms with multiple detection zones and logical rules.
- Increase your recording storage with smart recording and no false alarms
- Junction box built-in for easy cable storage and simplified installation
- 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
- Cold Start -40°F (-40°C), allowing the camera to power up in extremely cold environments
- 110' Smart IR™ with intelligent camera sync for clear B/W 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 a built-in microphone 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
- 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-DSCM Ceiling mount bracket

DWC-DSWM Wall mount bracket

DWC-PMB-WLW Pole mount

DWC-DJSSLD Sun shield cover

DWC-V4HMW Hanging mount

DWC-V1CNMW Corner mount

DWC-DJFM In-ceiling flush mount

Specifications

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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)
S/N ratio	50dB
Test monitor video output	Local video output CVBS 1.0V p-p (75Ω), 16:9 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/ VFoV)	Horizontal: 33.1°~90.3° / Vertical: 18.9°~49°
IR distance	110ft range
Optical zoom / digital zoom	5x optical zoom
I/O	
Audio in/out, compression	1 microphone built-in/1 output, G.711 ulaw
Alarm input/output	1 input/1 output
Event trigger	Motion, network loss, temperature anomaly, illegal login, schedule, sensor
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	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	RJ45, 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	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
SIP/VoIP Suppor	SIP VoIP
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	-40°F ~ 122°F (-40°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 is not included)
Power consumption	DC: max 13.1W, 1.09A, PoE: max 15.0W, 312.5mA
MECHANICAL	
Material	Aluminum die-casting vandal housing, polycarbonate dome
Dimensions	5.74" x 5.11" (146 x 130mm)
Weight	3.13 lbs (1.42 kg)
Warranty	5 year warranty

Built for Users.™

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