STAR-LIGHT PLUS

H.265 / H.264/MJPG | 30fps

Ai INSIDE | -40° Cold Start

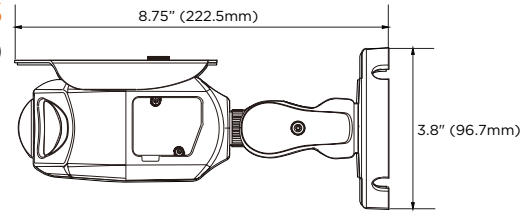**NDAA/TAA COMPLIANT PRODUCT**

Dimensions
Unit: Inch (mm)

8.75" (222.5mm)

3.8" (96.7mm)

Summary

This NDAA/TAA-compliant MEGApix® Ai™ ultra-wide view IP camera provides 4K resolution at real-time 30fps with an edge Ai engine onboard, placing the power of Ai deep learning at your fingertips. The camera's 2.3mm ultra-wide view lens offers edge-to-edge image clarity without pixel loss and is ideal for wide-area situational awareness.

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 analytics calibration.
- Seamless integration and control with DW Spectrum® IPVMS.
- Reduce false alarms with multiple detection zones and logical rules.
- Increase recording storage with smart recording and no false alarms.
- 2.3mm ultra-wide view lens for edge-to-edge image clarity without pixel loss.
- True Wide Dynamic Range for clear images in challenging light.
- Simultaneous streaming and multiple codec options for smart bandwidth management.
- Cold Start -40°F (-40°C) (DC power), allowing the camera to power up in extremely cold environments.
- 100' 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.
- Two-way audio 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 IK9-rated camera housing built to last.
- 5 year warranty.

Accessories (optional)

DWC-BLJUNC-W Junction box	DWC-PMB-WLW Pole mount bracket	DWC-V1CNMW Pole mount bracket

Specifications

ONVIF | FC | c(UL)us LISTED

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	0.15 lux (color)
	0 lux (B/W)
S/N ratio	50dB
Test monitor video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio

LENS	
Focal length	2.3mm, F2.8
Lens type	Ultra-wide angle lens
Field of view HFoV/ VFoV	175°/ 80°
IR distance	100ft range

I/O	
Audio input/output	1 line (1.0Vms, 3K ohm) input/1 line output
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	Auto, day (color), night (B/W)
3D Digital Noise Reduction	Smart DNR™ 3D-DNR
Wide Dynamic Range (WDR)	True WDR, 120dB
White balance	Yes
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	Triple Streaming (3rd streram supporrts 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® 7, Windows® 8, Windows® 10 Browser: IE, Chrome, Firefox
Video management software	DW Spectrum® IPVMS

ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C), ColdStart -40°F on DC only
Operating humidity	10~90% RH, (non–condensing)
IK rating	IK10 impact-resistant
IP rating	IP67-rated
Other certifications	CE, FCC, RoHS, UL, NDAA, TAA

ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class 3 (Adapter not included)
Power consumption	DC12V: max 21.9W, 1.83A PoE: max 9.2W, 190mA

MECHANICAL	
Material	Aluminum die-casting bullet housing
Dimensions	5.03" x 8.75" x 3.8" (127.9 x 222.5 x 96.7mm)
Weight	2.13 lbs (0.97 kg)
Warranty	5 year warranty

Built for Users.™

866.446.3595 | sales@digital-watchdog.com | www.digital-watchdog.com

DW®