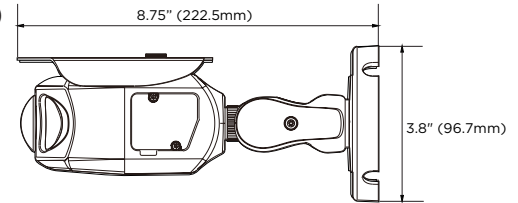




Dimensions

Unit: Inch (mm)



Summary

This NDAA-compliant MEGApix IVA 4K ultra-wide view single-sensor bullet IP camera delivers real-time 30fps ultra-wide video with 2.3mm lens, providing edge-to-edge image clarity without pixel loss and situational awareness. IVA engine offers advanced Video Content Analysis and detection capabilities. The camera also includes Star-Light Plus color in near-total darkness technology for quality video in any lighting condition and Smart IR in an IP67-rated bullet housing.

Features

- 8MP 1/1.8" image sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology
- 2.3mm ultra-wide view lens for edge-to-edge image clarity without pixel loss
- 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 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 compliant for federal and government projects
- IP66- and IK9-rated camera housing built to last
- 5 year warranty

Specifications

IMAGE	
Image sensor	8MP 1/1.8" CMOS sensor
Total pixels	3952 (H) x 2320 (V)
Minimum scene illumination	0.29 lux (color) 0 lux (B/W)
Test video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
S/N ratio	50dB
Maximum resolution	3840 (H) X 2160 (V)
LENS	
Focal length	2.3mm, F2.8
Lens type	Ultra-wide angle lens
Field of view (FoV)	Horizontal: 175°/Vertical: 80°
IR distance	100ft range
I/O	
Audio in/out and compression	1 input/1 output, G.711
Alarm in/out	1 input/1 output
OPERATIONAL	
Intelligent Video Analytics	Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.*
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/night	Auto, day (color), night (B/W)
3D digital noise reduction	Smart DNR 3D-DNR
Wide dynamic range (WDR)	True WDR, 120dB
White balance	Auto
Mirror and flip	Yes
Alarm notifications	Sent 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: QFHD, 21MP/1080p, 720p, VGA, D1, CIF MJPEG: 21MP/1080p, 720p, 800x600, VGA, 768x432, D1, CIF
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps - 10Mbps, 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 7, Windows 8, Windows 10 Browser: IE, Chrome, Firefox NOTE: Chrome is recommended for IVA configuration
Video management software	DW Spectrum
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% RH, (non-condensing)
IP rating	IP67-rated
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class 3 (Adapter not included)
Power consumption	DC12V: 8.9W, PoE: 12.3W
MECHANICAL	
Material	Aluminum bullet housing
Dimensions	5.03" x 8.75" x 3.8" (127.9 x 222.5 x 96.7mm)
Weight	(0.97 kg)
Warranty	5 year warranty

Accessories (optional)



DWC-BAJUNC
Waterproof junction box



DWC-V1CNMW
Corner mount



DWC-BLJUNC-W
Junction box



DWC-PMB-WLW
Pole mount bracket



Built for Users.™

