IVA+ Inside

STAR-LIGHT PLUS™
Color in Darkness Technology

2.3mm ULTRA-WIDE LENS

H.265 H.264/MJPEG   **30fps**

NDAA/TAA COMPLIANT PRODUCTS

8MP Resolution	Star-Light Plus™	Intelligent Video Analytics (IVA+)	2.3mm Ultra-Wide Lens	**H.265** H.264/MJPEG Triple Codecs	**5 YEAR** Warranty

Summary

This MEGApix® 8MP ultra-wide view single-sensor bullet IP camera is NDAA/TAA compliant and can deliver real-time 30fps crystal-clear video with a 2.3mm ultra-wide view lens for wide-area situational awareness. The camera's ultra-wide view lens provides edge-to-edge image clarity without pixel loss. The camera comes pre-loaded with IVA+ to detect and classify people, vehicles and objects in real-time with support for logical rules.

Additional features include Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition, true WDR, Smart IR™ LEDs and simultaneous H.265/H.264/MJPEG codec support. The IP67 vandal- and weather-resistant bullet housing can be used for both indoor and outdoor installations. It's unique, focal length is suitable for narrow corridor installations, with clear images as close as 19.5~23.5 inches from the camera.

Features

- 8MP 1/1.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- Intelligent Video Analytics (IVA) with extended features (IVA+)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- 2.3mm ultra-wide lens
- True wide dynamic range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 100' Smart IR™ with intelligent camera sync
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input and relay output
- Web server built-in
- PoE class 3 and DC12V
- NDAA/TAA compliant
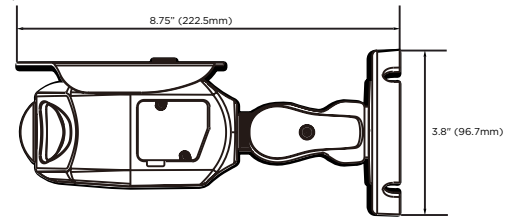- IP67 dust-tight and waterproof to 3 feet
- 5 year warranty

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Accessories (optional)

DWC-PMB-WLW Pole mount bracket	
DWC-PBJUNC Junction box	DWC-V1CNMW Pole mount bracket

Dimensions
Unit: Inch (mm)

8.75" (222.5mm)

3.8" (96.7mm)

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)	H:175°/V:80°
IR distance	100ft range
I/O	
Audio in/out	1/1
Audio compression	G.711
Alarm in/out	1/1
OPERATIONAL	
Intelligent Video Analytics	IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left
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/night	Auto, day (color), night (B/W)
Smart DNR™	3D digital noise reduction - yes
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.264: QFHD, 2.1MP/1080p, 720p, VGA, D1, CIF H.265: QFHD, 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 2.1MP/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 browser is recommended for IVA configuration
Video management software	DW Spectrum® IPVMS
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Operating humidity	10~90% RH, (non-condensing)
IP rating	IP67-rated
Other certifications	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

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