MEGApix Ai™
Next-generation video analytics

4K bullet IP camera with built-in audio, LEDs and Ai engine
DWC-XSBF08LiF

Summary

This NDAA/TAA-compliant MEGApix® Ai™ bullet IP camera provides 4K resolution at real-time 30fps with an edge Ai engine onboard, built-in microphone and 14-Watt speaker for audio communications and 4-color LEDs for effective instant deterrence. MEGApix Ai cameras place the power of AI Deep Learning (DL) at your fingertips, with object detection and people tracking.

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®.
- Reduce false alarms with multiple detection zones and logical rules.
- Increase your recording storage with smart recording and no false alarms.
- 4-color LEDs for deterrence
- 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
- 130' 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 built-in microphone and 14-Watt 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 (PoE injector included)
- NDAA/TAA compliant for federal and government projects
- IP66- and IK10-rated camera housing built to last
- 5 year warranty

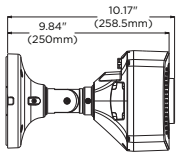
Accessories (optional)

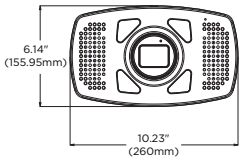
DWC-WMJUNCW
Junction box

DWC-V1CNMW
Corner mount bracket

DWC-PMB-WLW
Pole mount bracket

Dimensions
Unit: Inch (mm)





Specifications

IMAGE	
Image sensor	8.6MP 1/2.8" Star-Light Plus™ sensor
Total pixels	3864(H) X 2228(V)
Active pixels	3840(H) X 2160(V)
Minimum scene illumination	0.12 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	6-22mm, F1.6
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Field of view (HFoV/VFoV)	HFoV: 18.1° - 49.3° / VFoV: 10.2° - 24.3°
IR distance	130ft range
Color LEDs	Flashing LEDs, selectable colors: white, blue, red, green
Zoom	3.6x optical zoom
I/O	
Audio input/output	1 line input (1.0Vms, 3K ohm), 1 microphone built-in (1 selectable at a time)/1 output and 14-Watt speakers built-in
Audio compression	G.711 ulaw
Alarm input/output	1 input/1 output
INTELLIGENT VIDEO ANALYTICS	
Deep learning analytics	Deep Learning object tracking
Analytics filters	Zones and lines, tamper, metadata, intrusion, line crossing, counting zone, 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	True WDR, 120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Mirror and flip	Yes
Alarm notifications	Email, FTP, alarm output, SD card recording and flashlight
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.264, 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® 7, Windows® 8, Windows® 10 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/ IP66-rated
Other certifications	CE, FCC, RoHS, UL, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE+, adapter included
Power consumption	DC1V: max 36.0W, 3.0A, PoE: max 46.4W, 860mA
MECHANICAL	
Material	Aluminum die-casting bullet housing
Dimensions	10.23" x 10.19" x 6.14" (260 x 259 x 156mm)
Weight	8.15 lbs (3.7 kg)
Warranty	5 year warranty

Built for Users.™

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