MEGApix Ai™
Next-generation video analytics

4K bullet IP camera with Ai and color in near-total darkness
DWC-XSBA08Mi



Summary

This MEGApix Ai IP camera provides 4K resolution, placing the power of Ai at your fingertips, with object detection and people tracking. This camera features Star-Light Plus color in near-total darkness technology and is ONVIF conformant, assuring its successful integration with any open platform solution on the market.

Features

- 4K sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology.
- AI-based object and people detection, classification and tracking.
- 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.
- 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
- Cold Start -40°F (-40°C), allowing the camera to power up in extremely cold environments
- 140' Smart IR™ with intelligent camera sync for clear B/W images with no need for external light
- Smart DNR 3D digital noise reduction minimizes noise and ghosting in motion, particularly in low-light environments.
- Privacy zones cover sensitive areas in the camera's field of view.
- 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
- High-power 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-BAJUNC
Waterproof junction box



DWC-V1CNMW
Corner mount

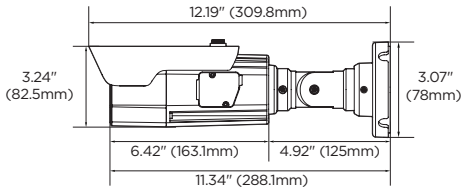


DWC-BLJUNC-W
Junction box



DWC-PMB-WLW
Pole mount bracket

Dimensions
Unit: Inch (mm)



Specifications

IMAGE	
Image sensor	4K 1/2.8" CMOS 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), 4:3 aspect ratio
LENS	
Focal length	2.7-13.5mm, F1.4
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Horizontal Field of view (HFoV)	33.1°-90.3°
Vertical Field of view (VFoV)	18.9°-49°
IR distance	140ft range
Optical zoom / digital zoom	5x optical zoom
I/O	
Audio input/output	1 (1.0Vms, 3K ohm) input/1 output
Audio compression	G.711
Alarm input/output	1 input/1 output
Event trigger	Motion alarm, network loss, temperature anomaly, illegal login, schedule, sensor detection
INTELLIGENT VIDEO ANALYTICS	
AI-based video analytics	AI-based object and people detection, classification and 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)
Digital Noise Reduction (DNR)	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	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	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
SIP/VoIP support	SIP VoIP
ONVIF conformance	Yes
Web viewer	OS: Windows, iOS, Linux Browser: Internet Explorer, Google Chrome, Mozilla Firefox, Safari
Video management software	DW Spectrum
ENVIRONMENTAL	
Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)
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 802.3at PoE+ Class4 (Adapter not included)
Power consumption	DC12V: 13.2W, 1.1A, PoE: 14.8W, 0.308mA
MECHANICAL	
Material	Aluminum die-casting bullet housing
Dimensions	12.2" x 3.81" (310 x 97mm)
Weight	2.64 lbs (1.2 kg)
Warranty	5 year warranty

Built for Users.™

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