MEGApix IP Cameras

5MP color in near-total darkness bullet IP camera
DWC-MB45WiATX



Summary

This NDAA-compliant MEGApix IVA IP camera provides 5MP resolution at real-time 30fps and detects people and vehicles with advanced Video Content Analysis and detection capabilities. This camera includes a vari-focal auto-focus lens with motorized zoom and Star-Light Plus color in near-total darkness technology for quality video in any lighting condition in an IP66-rated bullet housing.

Features

- 5MP sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology
- Vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and 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 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 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
- IP67-rated camera housing built to last
- 5 year warranty

Accessories (optional)



DWC-BAJUNC
Waterproof junction box



DWC-V1CNMW
Corner mount



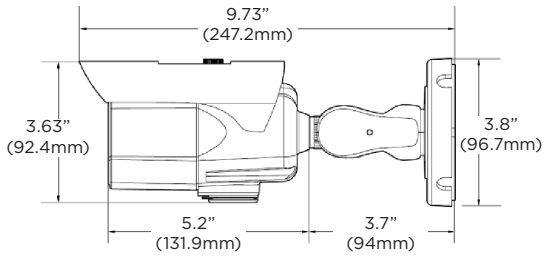
DWC-BLJUNC-W
Junction box



DWC-PMB-WLW
Pole mount bracket

Dimensions

Unit: Inch (mm)



Specifications

IMAGE	
Image sensor	5MP 1/2.8" CMOS
Total pixels	2592 (H) X 1944 (V)
Minimum scene illumination	0.08 lux (color)/ 0.0 lux (B/W)
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
HFOV / VFOV	85° ~ 31° / 62° ~ 24°
IR distance	140ft range
Optical / digital zoom	x5 optical zoom
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 and night	Auto, day (color), night (B/W)
3D digital noise reduction	Smart DNR 3D-DNR
Wide Dynamic Range (WDR)	True WDR, 120dB
Privacy zone	16 programmable privacy masks
Backlight Compensation (BLC)	Yes
Mirror and flip	Yes
Alarm notifications	E-mail notifications, FTP, alarm output and SD card recording
Memory slot	Micro SD / SDHC / SDXC (card not included)
NETWORK	
LAN	10/100 Base-T
Video compression type	H.265, H.264, MJPEG
Resolution	H.265, H.264: 2592x1944, 2304x1296, 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	H.265, H.264: 32Kbps ~ 14Mbps, MJPEG: 1Mbps ~ 40Mbps
Bitrate control	H.265 dual-stream or simultaneous H.265, H.264, MJPEG
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4, IPv6
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(ID/PW)
ONVIF conformance	Yes
Web viewer	OS: Windows, Mac OS, Linux Browser: Internet Explorer, Google Chrome, Mozilla Firefox, Safari NOTE: Chrome is recommended for IVA configuration
Video management software	DW Spectrum
ENVIRONMENTAL	
Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)
Operating humidity	10–90% RH (non-condensing)
IP rating	IP66-rated
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC 12V, PoE (IEEE 802.3af Class3). (Adapter not included)
Power consumption	DC12V: max 9W, PoE: max 10.5W
MECHANICAL	
Material	Aluminum bullet housing
Dimensions	9.73" x 3.8"* (247.2 x 96.7mm) *Based on the sun shield cover position
Weight	1.98 lbs (0.9kg)
Warranty	5 year warranty

Built for Users.™

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