MEGAPIX® IVA™
IP cameras with Intelligent Video Analytics

4K color in near-total darkness bullet IP camera with IVA
DWC-MB48WiAT

IVA Inside

4K ULTRA HD

NDAA COMPLIANT PRODUCTS

STAR-LIGHT PLUS™
Color in Darkness Technology

H.265 H.264/MJPEG

30fps

-40°C™ Cold Start

4K Resolution

Intelligent Video Analytics

Star-Light Plus™

Vari-Focal Motorized Zoom P-Iris Lens

True WDR

5 YEAR Warranty

Summary

This MEGApix® IVA™ IP camera is your gateway to powerful video analytics features. It is NDAA compliant and provides 4K resolution at real-time 30fps. The MEGApix IVA cameras have a powerful engine to detect and classify people and vehicles in real-time. IVA+ license upgrade offers advanced Video Content Analysis detection capabilities. This camera features Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition, simultaneous H.265/H.264/MJPEG codec support and a 2.7~13.5mm vari-focal auto-focus lens with motorized zoom and 5x optical zoom. The weather-resistant bullet cameras are IP67-rated and Cold Start at -40° F/-40° C. All MEGApix cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

Features

- 4K 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- Intelligent Video Analytics (IVA)
- Extended Intelligent Video Analytics (IVA+ license required)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- 2.7~13.5mm vari-focal p-iris lens with motorized zoom and auto-focus
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- Cold Start -40°F (-40°C)
- 140' Smart IR™ with intelligent camera sync
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- NDAA compliant
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

ONVIF

Accessories (optional)

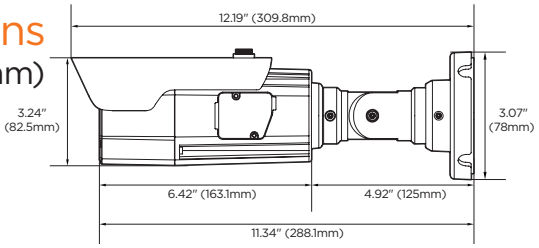
DWC-BLJUNC
Junction box

DW-POEInjector
PoE injector

DWC-PMB-BU
Pole mount bracket

Dimensions

Unit: Inch (mm)



Specifications

IMAGE	
Image sensor	4K 1/2.8" CMOS sensor
Total pixels	3952 (H) x 2320 (V)
Active pixels	3840 (H) X 2160 (V)
Minimum scene illumination	0.09 lux (color) 0 lux (B/W)
S/N ratio	50dB
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
Field of view (HFoV/VFoV)	33.1°~90.3°/ 18.9°~49°
IR distance	140ft range
Optical zoom	x5 optical zoom
I/O	
Audio in/out and compression	1/1, 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, logical rules
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)
Smart DNR™ 3D Digital Noise Reduction	3D-DNR
Wide Dynamic Range (WDR)	True WDR, 120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Backlight compensation (BLC)	Yes
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: QFHD, 2.1MP/1080p, 720p, VGA, D1, CIF H.264: 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
Video management software	DW Spectrum® IPVMS
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
ELECTRICAL	
Power requirement	DC12V, IEEE 802.3at PoE+ class 4 (Adapter not included)
Power consumption	DC12V 10.2W PoE 16W
MECHANICAL	
Material	Aluminum bullet housing
Dimensions	12.2" x 3.81" (310 x 97mm)
Weight	2.64 lbs (1.2 kg)
Warranty	5 year warranty

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DW DIGITAL WATCHDOG