MEGApix Ai
Next-generation video analytics

4K vandal dome IP camera with Ai and color in near-total darkness
DWC-XSDE08Mi

NDAA COMPLIANT PRODUC

STAR-LIGHT PLUS
Color in Darkness Technology

H.265 H.264/MJPEG

30fps

4K Resolution

Ai Analytics

Star-Light Plus™

Vari-Focal Motorized Zoom P-Iris Lens

True WDR

5 YEAR Warranty

Summary

This NDAA-compliant MEGApix® Ai™ IP camera provides 4K resolution at real-time 30fps with an Ai edge engine onboard. MEGApix Ai cameras place the power of Ai deep learning at your fingertips, with object detection and tracking. This camera features Star-Light Plus™ color in near- total darkness technology and true WDR for quality video in any lighting condition, and a 2.7~13.5mm vari-focal auto-focus lens for clarity and convenience. The IP67-rated, IK-10 impact-resistant vandal housing features CleanView™ self-cleaning dome treatment to repeal water and grime. 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
- Ai Deep Learning object detection and tracking
- Create up to 40 detection zones in the same camera
- EEasy setup with no analytics calibration
- Seamless integration and control 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
- 100' Smart IR™ with intelligent camera sync
- CleanView™ hydrophobic dome coating repels water, dust and grease
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- 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
- UL-listed
- NDAA compliant
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

ONVIF

Accessories (Optional)

DWC-VFWMW
Wall mount bracket

DWC-PMB-WLW
Pole mount bracket

DWC-VFCMW
Ceiling mount bracket

DWC-VFJUNCW
Junction box

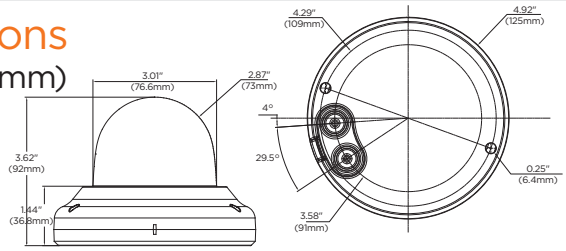
DWC-V1CNMW
Corner mount

DWC-VFFMW
Flush mount

DWC-VFHMW
Hanging mount

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	100ft 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	
Deep learning analytics	Deep Learning object 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)
Smart DNR™ 3D Digital Noise Reduction	3D-DNR
Wide Dynamic Range (WDR)	True WDR
Wide Dynamic Range (WDR) dB	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: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 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®, Mac® OS, Linux® Browser: Internet Explorer®, 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 rating	IK10 impact-resistant
IP rating	IP67-rated
Other certifications	CE, FCC, RoHS, UL, NDAA
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)
Power consumption	DC12V: 10.2W, 850mA PoE: 12.5W
MECHANICAL	
Material	Aluminum die-casting vandal housing, polycarbonate dome
Dimensions	4.92" x 3.62" (125 x 92mm)
Weight	1.14 lbs (0.52 kg)
Warranty	5 year warranty

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