MEGAPIX Ai™

5MP vandal ball turret IP camera with built-in microphone and speaker, white light, color alarm LEDs and Ai engine.

DWC-XSTD05MF



Summary

This NDAA/TAA-compliant MEGApix Ai turret IP camera provides 5MP resolution at real-time 30fps with 90ft range white light, with red/blue flash LEDs built-in and an edge Ai engine onboard. MEGApix Ai cameras place the power of AI at your fingertips, with people and object detection, classification, and tracking. This camera features Star-Light Plus color in near-total darkness technology and a built-in microphone and speaker in an IP67-rated, IK10-rated housing.

Features

- 5MP 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 analytics calibration
- Seamless integration and control with DW Spectrum® IPVMS
- Reduce false alarms with multiple detection zones and logical rules.
- Increase your recording storage with smart recording and no false alarms.
- 90’ white light illumination with intelligent camera sync for clear color images with no need for external light.
- 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
- 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 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
- NDAA/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

Accessories (Optional)


DWC-PMB-WL-W
Pole mount


DWC-V1CNMW
Corner mount


DWC-VAJUNC
Junction box


DWC-GPLT-W
Converter plate

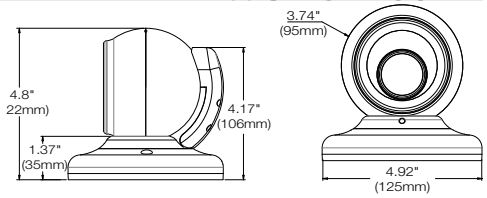

DWC-VFHMW
Hanging mount


DWC-VACM
Ceiling mount


DWC-VAWM
Wall mount

Dimensions

Unit: Inch (mm)



Specifications

IMAGE	
Image sensor	1/2.8" 5.17MP Star-Light Plus™ sensor
Total pixels	2704(H) X 2104(V)
Active pixels	2592(H) X 1944(V)
Minimum scene illumination	0.03 lux (color), 0 lux (white light)
Color temperature	Warm light, 3300K
WL wavelength (lumen)	200lm
S/N ratio	50dB
LENS	
Focal length	2.7-12mm F1.3
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Horizontal Field of view (HFoV)	31.5°-89.9°
Vertical Field of view (VFoV)	23.6°-64.5°
LED distance	90’ range white light
I/O	
Audio input/output	1 microphone built-in/ 1 speaker built-in (1.5 Watts)
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	Color only
3D Digital Noise Reduction	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, SD card recording and flashlight
Memory slot	Micro SD/SDHC/SDXC class 10 card (not included)
NETWORK	
LAN	10/100Base-T
Video compression type	H.265, H.264, MJPEG
Resolution	H.265: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 H.264: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 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	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®, 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 and IP rating	IK10 impact-resistant, IP67-rated
Other certifications	NDAA, FCC, CE, ROHS, LU-listed
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3at Class4 (Adapter not included)
Power consumption	12V DC: 12W, 1A, PoE: 15.8W, 329.1mA
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate domes
Dimensions	4.92” x 4.79” (125 x 121.7 mm)
Weight	1.94 lbs (0.88 kg)
Warranty	5 year warranty

Built for Users.™

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