MEGAPIX® IP Cameras

5MP color in near-total darkness vandal ball turret IP camera
DWC-MVA5WiAT

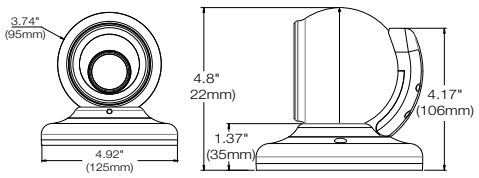
STAR-LIGHT PLUS™

H.265 H.264/MJPG

30fps

NDAA COMPLIANT PRODUCT

Dimensions
Unit: Inch (mm)



Summary

These NDAA-compliant MEGApix® IP cameras provide real-time 30fps 5MP resolution and detect people and vehicles in real-time. IVA+ license upgrade offers advanced Video Content Analysis detection capabilities. These cameras feature Star-Light Plus™ color in near-total darkness technology in a vandal turret housing that eliminates IR reflections and easy angle adjustment for optimal image quality.

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
- 100' 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.
- 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- and IK10-rated camera housing built to last
- 5 year warranty

ONVIF

Accessories (Optional)

DWC-PMB-WL-W
Pole mount

DWC-VACM
Ceiling mount bracket

DWC-VAWM
Wall mount bracket

DWC-V1CNMW
Corner mount

DWC-VAJUNC
Junction box

DWC-VFHMW
Hanging mount

Specifications

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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)
LENS	
Focal length	2.7-13.5mm, F1.4
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
HFOV / VFOV	31° ~ 85°/ 24°~62°
IR distance	100ft range
Optical zoom / digital zoom	x5 optical zoom
OPERATIONAL	
Intelligent Video Analytics	Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.* NOTE: object removed, tailgating, direction, stopped, appear, disappear, object left, and logical rules are available via IVA+ plugin update. For existing cameras, contact your DW sales representative for a complimentary update.
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	Notifications via e-mail and FTP server recording
NETWORK	
LAN	RJ45 (10/100Base-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: IE®, Google Chrome®, Mozilla Firefox®, Safari® NOTE: Chrome browser is recommended for IVA configuration
Video management software	DW Spectrum®
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Operating humidity	10-90% (non-condensing)
IP/IK rating	IP67-rated/ IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC 12V, PoE IEEE 802.3af Class3. (Adapter not included)
Power consumption	DC12V: max 7.1W, PoE: max 8.5W
MECHANICAL	
Material	Aluminum vandal ball turret housing
Dimensions	4.92" x 4.8" (125 x 122 mm)
Weight	1.87lbs (0.85kg)
Warranty	5 year warranty

Built for Users.™

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