AI INSIDE | STAR-LIGHT PLUS™

H.265 / H.264/MJPG | 30fps

NDAA/TAA COMPLIANT PRODUCT

Dimensions
Unit: Inch (mm)

3.74" (95mm)
4.8" (22mm)
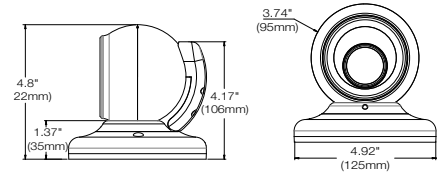4.17" (106mm)
1.37" (35mm)
4.92" (125mm)

Specifications

ONVIF | FC | c(UL)us LISTED

Summary

This NDAA/TAA-compliant MEGApix® Ai™ turret IP camera provides 5MP resolution at real-time 30fps with an edge AI engine onboard, placing the power of AI deep learning at your fingertips, with object detection and people tracking. The camera features Star-Light Plus™ color in near-total darkness, a 2.8mm fixed lens, and a built-in microphone in an IP67-rated, IK10-rated housing.

Features

- 5MP sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology.
- AI Deep Learning object detection.
- Create up to 40 separate detection zones.
- Easy setup with no manual 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.
- 2.8mm fixed lens
- 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.
- Two-way audio with a built-in microphone 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-VAJUNC Junction box	DWC-VFHMW Hanging mount
DWC-V1CNMW Corner mount	DWC-GPLT-W Converter plate	DWC-VACM Ceiling mount
		DWC-VAWM Wall mount

IMAGE

Image sensor	1/2.8" 5.17M Star-Light Plus™ sensor
Total pixels	2608(H) X 1984(V)
Active pixels	2592(H) X 1944(V)
Minimum scene illumination	0.08 lux (color)
	0 lux (B/W)
S/N ratio	50dB

LENS

Focal length	2.8mm, F2.2
Lens type	Fixed lens
Horizontal Field of view (HFoV)	97.7°
Vertical Field of view (VFoV)	73°
IR distance	100ft range

I/O

Audio input/output	1 microphone built-in/1 Line output
Audio compression	G.711 ulaw
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	Auto, day (color), night (B/W)
3D Digital Noise Reduction	Smart DNR™ 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	RJ45 (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, Auto IP, 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: Microsoft Edge®, 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, UL, NDAA, TAA

ELECTRICAL

Power requirement	DC12V, PoE, adapter not included
Power consumption	DC: max 7.5W, PoE: max 9.5W

MECHANICAL

Material	Aluminum vandal housing, polycarbonate lens cover
Dimensions	4.92" x 4.79" (125 x 121.7 mm)
Weight	0.85kg
Warranty	5 year warranty

Built for Users™

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