Dimensions
Unit: Inch (mm)

4.9" (125mm)

3.6" (92mm)
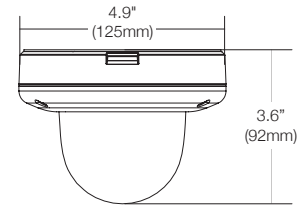
Summary

This NDAA-compliant MEGApix® IP camera provides 2.1MP/1080p resolution at real-time 30fps and includes a 2.8-12mm vari-focal auto-focus lens with motorized zoom. The camera is powered by Star-Light Plus™ color in near-total darkness technology for quality video in any lighting conditions. The IP66-rated, IK-10 impact resistant vandal housing features CleanView™ self-cleaning dome treatment.

Features

- 2.1MP/1080P 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
- CleanView™ hydrophobic dome coating repels water, dust and grease.
- 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 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
- 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-VFCMW Ceiling mount	DWC-VFWMW Wall mount	DWC-WMJUNCW Junction box for wall mounts
DWC-GPLT-W Converter plate	DWC-VFJUNCW Junction box	DWC-PMB-WLW Pole mount
DWC-VFHMW Hanging mount	DWC-VFFMW Flush mount	DWC-V1CNMW Corner mount

Specifications

IMAGE	
Image sensor	2.1MP/1080p 1/2.8" CMOS
Total pixels	1945 (H) X 1109 (V)
Minimum scene illumination	0.02 lux (color)
	0.0 lux (B/W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio
LENS	
Focal length	2.8-12mm, F1.4
Lens type	Vari-focal p-iris lens with motorized-zoom and auto-focus
HFOV / VFOF	96° ~ 35° / 51° ~ 20°
IR distance	100ft range
Optical zoom	x4.2 optical zoom
I/O	
Audio in/out and compression	1 input/1 output, G.711
Alarm in/out	1 input/1 output
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
Mirror and flip	Yes
Alarm notifications	E-mail notifications, FTP, alarm output and SD card recording
Memory slot	Micro SD / SDHC / SDXC (card not included)
NETWORK	
LAN	10/100 Base-T
Video compression type	H.265, H.264, MJPEG
Resolution	H.265, H.264: 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 1280x720, 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.264, H.265 (controllable frame rate and bandwidth)
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 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 and IK rating	IP66-rated, IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS, NDAA, TAA
ELECTRICAL	
Power requirement	DC 12V, PoE IEEE 802.3af Class 3. (Adapter not included)
Power consumption	DC12V: max 6.5W, PoE: max 8.5W
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	4.9" x 3.6" (125 x 92 mm)
Weight	1.87 lb (0.85kg)
Warranty	5 year warranty

Built for Users™

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