Dimensions
Unit: Inch (mm)

3.01" (76.6mm)   2.87" (73mm)

3.62" (92mm)

1.44" (36.8mm)

4.29" (109mm)   4.92" (125mm)

4°

29.5°

0.25" (6.4mm)

3.58" (91mm)
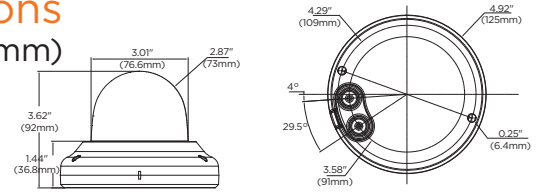
Summary

This NDAA-compliant MEGApix IP camera provides 4K resolution at real-time 30fps. The camera features Star-Light Plus color in near-total darkness technology for quality video in any lighting conditions and a 2.7~13.5mm vari-focal auto-focus lens with motorized zoom and 5x optical zoom.

Features

- 4K 1/2.8" image 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.
- 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 compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

Accessories (Optional)

DWC-VFWMW
Wall mount bracket

DWC-VFJUNCW
Junction box

DWC-VFCMW
Ceiling mount bracket

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	0.043 lux (color) 0 lux (B/W)
S/N ratio	50dB
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
Field of view (HFoV/VFoV)	Horizontal: 33.1°~90.3°/ Vertical: 18.9°~49°
IR distance	100ft range
Optical zoom	5x optical zoom
I/O	
Audio in/out	1 input/1 output
Audio compression	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
White balance	Yes
Privacy zones	16 programmable privacy masks
Backlight compensation (BLC)	Yes
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 (card not included)
NETWORK	
LAN	1000Base-T (1Gbps)
Video compression type	H.265, H.264, MJPEG
Resolution	H.265, H.264: QFHD, 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	100Kbps ~ 10Mbps,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 authetication
ONVIF conformance	Yes
Web viewer	OS: Windows 7, Windows 8, Windows 10 Browser: IE, Chrome, Firefox
Video management software	DW Spectrum
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Operating humidity	10~90% RH, (non-condensing)
IP rating, IK rating	IP67-rated, IK10 impact-resistant
Other certifications	CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class 3 (Adapter not included)
Power consumption	DC12V: 9W, PoE: 11.52W
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	4.92" x 3.62" (125 x 92mm)
Weight	1.14 lbs (0.52 kg)
Warranty	5 year warranty

Built for Users.™