Dimensions
Unit: Inch (mm)

4.92" (125mm) 1.89" (48mm)
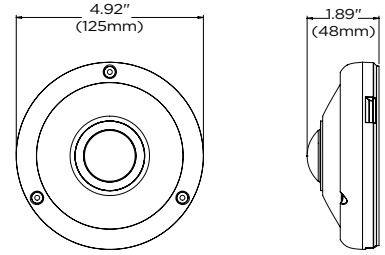
Summary

This NDAA-compliant MEGApix® Pano 9MP 360° view fisheye IP camera with IR can monitor an entire area with a 2.1mm fisheye lens, edge-to-edge image clarity and 9MP images at real-time 30fps, providing ultimate ROI. Star-Light Plus™ color in near-total darkness technology ensures quality video in any lighting condition in an IP66-rated housing, ideal for discrete installations and full room coverage with a single camera.

Features

- 9MP sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 2.1mm fisheye lens with 360° hemispheric view
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic view
- Edge-to-edge image clarity with no pixel loss
- Simultaneous streaming and multiple codec options for smart bandwidth management
- 360° 80' 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.
- 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
- IP66- and IK9-rated camera housing built to last
- 5 year warranty

Accessories (optional)

DWC-VFCMW Ceiling mount	DWC-VFWMW Wall mount	DWC-PMB-WLW Pole mount
DWC-GPLT-W Converter plate	DWC-VFJUNCW Junction box	DWC-V1CNMW Corner mount
DWC-VFHMW Hanging mount	DWC-WMJUNCW Junction box for wall mounts	

Specifications

IMAGE	
Image sensor	12.4MP 1/1.7" CMOS
Total pixels	4000 (H) X 3000 (V)
Minimum scene illumination	0.3 lux (color), 0 lux (B/W)
Maximum resolution	9MP (3008 x 3000)
LENS	
Focal length	2.1mm, F2.2
Lens type	Fisheye lens
HFOV / VFOV	185° / 185°
IR distance	80ft range
I/O	
Audio in / out and compression	1 (1.0Vms, 3K ohm) 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	off, x2, x3, x5, x6, x7.5, x10
Auto gain control	Auto
Day / night	Auto, day (color), night (B/W)
3D digital noise reduction	Smart DNR™ 3D-DNR
White balance	Yes
Mirror and flip	Yes
Backlight compensation (BLC)	Yes
Privacy zones	16 programmable privacy masks
Alarm notifications	E-mail, FTP server, alarm output activation or SD card recording
Memory slot	Micro SD / SDHC / SDXC (card not Included)
NETWORK	
LAN	RJ45 (10/100Base-T)
Video compression type	H.265, H.264, MJPEG
Resolution	H.265, H.264: 3008x3000, 2800x2800, 2048x2048, 1600x1600, 640x640, 320x320 MJPEG: 1280x1280, 640x640, 320x320
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, 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® IPVS
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Operating humidity	Less than 90% (non-condensing)
IP and IK rating	IP66-rated, IK9-impact resistant
Other certifications	UL listed, CE, FCC, RoHS, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class3 (Adapter not included)
Power consumption	DC12V: max 8.5W, PoE: max 10W
MECHANICAL	
Material	Aluminum vandal fisheye housing
Dimensions	4.9" x 1.88" (125 x 48mm)
Weight	1.1 lbs (0.5kg)
Warranty	5 year warranty

Built for Users™

DW®