IVA Inside

2.1mm FISHEYE LENS

STAR-LIGHT PLUS
Color in Darkness Technology

H.265 H.264/MJPEG **30fps**

NDAA COMPLIANT PRODUCTS

9MP Resolution	**Intelligent Video Analytics**	**Star-Light Plus™**	**360° 180° Panoramic View**	**2.1mm Fisheye Lens**	**5 YEAR** Warranty

Dimensions
Unit: Inch (mm)

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

Summary

MEGApix® Pano IVA™ 9MP 360° view fisheye outdoor IP camera with IR is your gateway to powerful video analytics features. It is NDAA compliant and can monitor an entire area, providing ultimate ROI. The MEGApix IVA cameras have a powerful engine to detect and classify people and vehicles in real-time. IVA+ license upgrade offers advanced Video Content Analysis detection capabilities. This camera's 2.1mm fisheye lens provides edge-to-edge image clarity producing 9MP panoramic images at real-time 30fps. Star-Light Plus™ color in near-total darkness technology ensures quality video in any lighting condition. The camera also offers simultaneous H.265/H.264/MJPEG codec support in an IP66 vandal-resistant, discrete housing. The camera is optimized to work with the DW Spectrum™ IPVMS instant dewarping feature.

Features

- 9MP 1/1.7 image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- Intelligent Video Analytics (IVA)
- Extended Intelligent Video Analytics (IVA+ license required)
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic view
- Edge-to-edge image clarity
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- 2.1mm fisheye lens
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 360° 80' Smart IR™ with intelligent camera sync.
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC class 10 card slot (card not included)
- Alarm sensor input and relay output
- PoE class 3 and DC12V
- UL listed
- NDAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 9-rated impact-resistant
- 5 year warranty

ONVIF

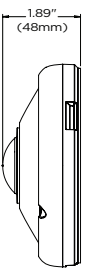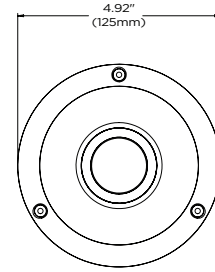## Accessories (Optional)

DWC-V1CNMW Corner mount

DWC-VFJUNCW Junction box

DWC-VFCMW Ceiling mount bracket

DWC-VFWMW Wall mount bracket

Specifications

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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) / 1, G.711
Alarm in/out	1/1
OPERATIONAL	
Intelligent Video Analytics	IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left
Shutter mode	Auto, manual, anti-flicker, slow shutter
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)
Smart DNR™ 3D digital noise reduction	3D-DNR
White balance	Yes
Mirror and flip	Yes
Backlight compensation (BLC)	Yes
Privacy zones	16 programmable privacy masks
Alarm notifications	Notifications via 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: 3008x3000, 2800x2800, 2048x2048, 1600x1600, 640x640, 320x320 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 browser is recommended for IVA configuration
Video management software	DW Spectrum® IPVMS
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
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

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