IVA+ Inside

2.1mm FISHEYE LENS

STAR-LIGHT PLUS™
Color in Darkness Technology

H.265 H.264/MJPEG

30fps

NDAA/TAA COMPLIANT PRODUCTS

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

Summary

This MEGApix® IVA+™ 9MP 360° view fisheye outdoor IP camera with IR is your gateway to powerful video analytics features. It is NDAA/TAA compliant and can monitor an entire area, providing ultimate ROI. The MEGApix IVA+ cameras have a powerful engine to detect and classify people, vehicles and objects in real-time with support for logical rules. 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) with extended features (IVA+)
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic view
- Edge-to-edge image clarity
- 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
- Web server built-in
- PoE class 3 and DC12V
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 9-rated impact-resistant
- 5 year warranty

ONVIF

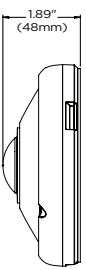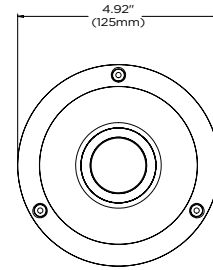## Accessories (Optional)

DWC-V1CNMW
Corner mount

DWC-VFJUNCW
Junction box

DWC-VFCMW
Ceiling mount bracket

DWC-VFWMW
Wall mount bracket

Dimensions
Unit: Inch (mm)

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

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) / 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®
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	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 years warranty

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DW DIGITAL WATCHDOG®