



## Summary

This MEGAPIX® IVA+™ 5MP 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 1.55mm fisheye lens provides edge-to-edge image clarity producing 5MP 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

- 5MP 1/1.8" 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
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- 1.5mm 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)
- PoE class 3 and DC12V
- UL listed
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 9-rated impact-resistant
- 5 year warranty



## Accessories (Optional)



DWC-V1CNMW  
Corner mount



DWC-VFJUNCW  
Junction box



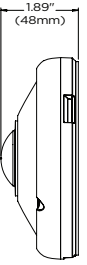
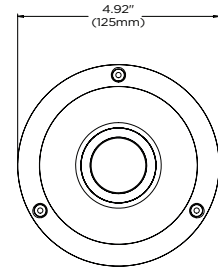
DWC-VFCMW  
Ceiling mount bracket



DWC-VFWMW  
Wall mount bracket

## Dimensions

Unit: Inch (mm)



## Specifications



IMAGE	
Image sensor	6.4MP 1/1.8" CMOS
Total pixels	3096 (H) X 2080 (V)
Minimum scene illumination	0.39 lux (color) 0 lux (B/W)
Maximum resolution	5MP (2592 x 1944)
LENS	
Focal length	1.55mm, F2.5
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
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	1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10
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 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: 2592x1944, 2048x1536, 1600x1200, 1280x1024, 800x600, 480x360, 320x240 H.264: 2592x1944, 2048x1536, 1600x1200, 1280x1024, 800x600, 480x360, 320x240 MJPEG: 1280x1024, 800x600, 480x360, 320x240
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 7.5W PoE: max 8.7W
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