



**5MP** Resolution  
**Fisheye Lens**  
**360° 180°** Panoramic View  
**Smart IR™**  
**IP66 Rated**  
**5YEAR** Warranty

## Summary

5 Megapixel MEGApix® PANO 360° view outdoor fisheye cameras with IR can monitor an entire area with a single camera, providing the ultimate ROI. The 1.55mm fisheye lens provides edge-to-edge image clarity. The 5MP sensor produces real-time 30fps panoramic images in a low profile IP66 vandal resistant housing. The camera is optimized for use with DW Spectrum® IPVMS for easy dewarping to 360°, 180° and 90° views with the click of the mouse.

## Features

- 5MP 1/1.8" image sensor at real-time 30fps
- 1.5mm fisheye lens
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic view
- Edge-to-edge image clarity
- Digital Wide Dynamic Range (D-WDR)
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- 55' 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
- Micro SD/SDHC class 10 card slot (card not included)
- Web server built-in
- ONVIF conformant, profile S
- PoE class 3 and DC12V
- IP66 certified weather and tamper resistant
- 5 year warranty

## Accessories (Optional)



DWC-VFZCM  
Ceiling mount



DWC-VFZJUNC  
Junction box

## Dimensions

unit: Inch (mm)



## Specifications



IMAGE	
Image sensor	5MP 1/1.8" CMOS
Total pixels	3096 (H) X 2080 (V)
Minimum scene illumination	0.369 lux (color) 0 lux (B&W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
Maximum resolution	5MP (2592 x 1944)
LENS	
Focal length	1.55mm, F2.5
Lens type	Fisheye lens
Field of view (FoV)	360°
IR distance	55ft range
OPERATIONAL	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/30 ~ 1/32000
Slow Shutter	1 ~ 1/5, 1/7.5, 1/10
Auto gain control	Auto
Day / night	Auto, day (color), night (B/W)
Smart DNR™ 3D digital noise reduction	0~11
Wide Dynamic Range (WDR)	D-WDR
White balance	Auto, manual
Mirror and flip	Yes
Backlight compensation (BLC)	On, off
Privacy zones	4 programmable privacy masks
Alarm notifications	Notifications via e-mail, FTP server or SD card recording
Memory slot	Micro SD/SDHC/SDXC class 10 card (card not included)
NETWORK	
LAN	10/100 base-T, RJ-45 connector
Video compression type	H.264, MJPEG
Resolution	2592 X 1944 @ 30fps 640 X 480 @ 30fps 320 X 240 @ 30fps
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.264 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4, IPv6
Protocol	Zero config (Auto IP), ONVIF, TCP/IP, UDP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3 (MIB-2)
Security	HTTPS (SSL), IP filtering, 802.1x, digest authentication (ID/PW)
Maximum user access	5 users
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux® Browser: Internet Explorer®, 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 rating	IP66 certified weather and tamper resistant
Other certifications	FCC, CE, ROHS
ELECTRICAL	
Power requirements	DC12V, PoE IEEE 802.3at class 3 (adaptor not included)
Power consumption	LED On: 6.5W LED Off: 3.6W
MECHANICAL	
Material	Aluminum vandal fisheye housing, polycarbonate dome
Dimensions	4.9" x 1.88" (125 x 48mm)
Weight	1.1 lbs (0.5kg)