



## Dimensions

unit: Inch (mm)



## Specifications

IMAGE	
Image sensor	9MP 1/1.7" CMOS
Total pixels	3000 (H) X 3000 (V)
Minimum scene illumination	0.2 lux (color) 0 lux (B&W)
Maximum Resolution	9MP (3000x3000)
LENS	
Focal length	2.1mm, F2.2
Lens type	Fisheye lens
Field of view (FoV)	360°
IR distance	55ft range
I/O	
Audio in / out	1/1
Alarm in / out	1/1
Audio compression	G.711 / G.726
OPERATIONAL	
Shutter mode	Auto, manual
Shutter speed	1/30 ~ 1/12,000sec
Auto gain control	Auto
Day / night	Auto, day (color), night (B/W)
Smart DNR™ 3D digital noise reduction	Off, low, middle, high
Wide Dynamic Range (WDR)	D-WDR
White balance	Auto, manual
Mirror and flip	Yes
Alarm notifications	Notifications via SD card recording
Memory slot	Micro SD/SDHC class 10 card (FAT32). Card not included
NETWORK	
LAN	IEEE 802.3af compliant, 10/100 based-T, RJ-45 connector
Video compression type	H.265 or H.264 or MJPEG
Resolution	3000p/2304p/2000p/1600p/1000p
Frame rate	Up to 30fps at all resolutions
Video bitrate	32Kbps ~ 20Mbps
Bitrate control	Multi Streaming CBR/VBR at H.264/H.265 (Controllable frame rate and bandwidth)
Streaming capability	H.265 dual-stream or simultaneous H.265 / H.264 / MJPEG
IP	IPv4, IPv6
Protocol	TCP, UDP, IP, HTTP, DHCP, DNS, ICMP, ARP, DDNS, NTP, SNMP, Syslog, UPnP, Bonjour, ZeroConf, RTP/RTSP, Onvif, Genetec Protocol
Security	MD5 Password / iptables (firewall)
Maximum user acces	10 users
ONVIF conformance	Yes
Web viewer	OS: Windows® 7, Windows® 8, Windows® 10, Vista, XP, 2000 Browser: Internet Explorer® 8.0 or above
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 802.3af class 3 (adaptor not included)
Power consumption	DC12V Max 7.0W PoE Max 7.8W
MECHANICAL	
Material	Aluminum vandal fisheye housing, polycarbonate dome
Dimensions	4.9" x 1.88" (125 x 48mm)
Weight	1.1 lbs (0.5kg)

## Summary

9 megapixel MEGApix® Pano™ 360° view outdoor fisheye IP cameras with IR monitor an entire room with a single camera, providing the ultimate ROI. The 2.1mm fisheye lens provides edge-to-edge image clarity. The 9MP sensor produces real-time 30fps panoramic images in an IP66 vandal resistant discrete housing. The camera is optimized to work with the DW Spectrum® IPVMS dewarping feature.

## Features

- 9MP 1/1.7 image sensor at real-time 30fps
- 2.1mm fisheye lens
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic view
- Edge-to-edge image clarity
- Multi codecs (H.264, H.265, 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)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC class 10 card slot (card not included)
- Alarm sensor input
- Relay output
- 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-V1CNM  
Corner mount



DWC-VFZCM  
Ceiling mount



DWC-VFZJUNC  
Junction box



DWC-VFZWM  
Wall mount