



- 5MP**  
Resolution
- DW spectrum**  
All-in-one cameras
- No Server Required
- 256GB  
128GB  
64GB**  
Storage
- 30x**  
Up to 30 Cameras
- Fisheye Lens
- 5 YEAR**  
Warranty

## Summary

MEGApix® CaaS™ all-in-one series of IP cameras combine the cameras with the ease and power of DW Spectrum® IPVMS and on-board storage. DW Spectrum® IPVMS server is pre-installed and licensed. No additional server hardware is required.

The 5MP fisheye camera offers 360° Smart IR™ and a 1.55mm fisheye lens in an IP66-rated discrete vandal housing. Combine the CaaS™ solution with the DW® Blackjack® NAS device for long-term storage needs.

## Features

- All-in-one cameras, no server required
- 5MP 1/1.8" image sensor at real-time 30fps
- 1.5mm fisheye lens
- Built-in 256/128/64GB storage options for up to 30 days retained video
- Support 360° hemispheric fisheye view and 360°, 180° and 90° panoramic views
- Edge-to-edge image clarity
- Easily to deploy with pre-loaded DW Spectrum® IPVMS for out-of-the-box operation
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- Connect up to 30 MEGApix® CaaS™ edge cameras
- Dual recording option with Blackjack® NAS appliance
- 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
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Web server built-in
- PoE class 3 and DC12V
- Waterproof cabling
- ONVIF conformant, profile S
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty



## Accessories (Optional)



DWC-VFZWM  
Wall mount  
bracket



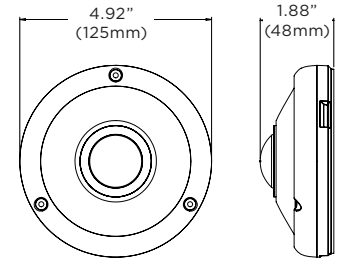
DWC-VFZJUNC  
Junction box



DWC-VFZCM  
Ceiling mount  
bracket

## Dimensions

unit: inch (mm)



## Specifications



Designed and engineered in U.S.A and Korea

IMAGE	
Image sensor	5MP 1/1.8" CMOS sensor
Total pixels	3096 (H) X 2080 (V)
Minimum scene illumination	0.39 lux (color) 0 lux (B/W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
Resolution	5MP (2592x1944)
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 and night	Auto, day (Color), night (B/W)
Smart DNR™ 3D digital noise reduction	0-11
Privacy zone	4 Programmable privacy masks
Alarm notifications	Notifications via e-mail, FTP server or SD card recording
NETWORK	
LAN	10/100 Based-T, RJ-45 connector
Video compression type	H.264, MJPEG
Resolution	2592 X 1944 @ 30fps, 640X480 @ 30fps, 320X240 @ 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
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
Number of DW Spectrum® IPVMS licenses included	1 DW Spectrum® license
Local server recording	DWC-PVF5M1TIRC2: 256GB local memory for recording DWC-PVF5M1TIRC1: 128GB local memory for recording DWC-PVF5M1TIRC6: 64GB local memory for recording
Max. Number of CaaS™ cameras in the same network/system	Up to 30 MEGApix® CaaS™ cameras in the same network/system
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	Less than 90% (Non-condensing)
IP rating	IP66-rated
Other certifications	FCC, CE, ROHS, UL listed
Electrical	
Power requirement	DC12V, PoE (IEEE 802.3af 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)
Warranty	5 year warranty