

Vari-Focal Lens  
with Motorized Zoom  
and Auto Focus



STAR-LIGHT PLUS™  
Color in Darkness

H.265  
H.264/MJPEG

5



5 YEAR

Megapixel Star-Light Plus™ Vari-Focal Motorized Zoom P-Iris Lens True WDR Triple Codecs Warranty

## Summary

This MEGApix® IP camera provides 5MP resolution at real-time 30fps. It includes a 2.7-13.5mm vari-focal auto-focus lens with motorized zoom, simultaneous H.265/H.264/MJPEG codec support and Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition. The IP66-rated, IK-10 impact resistant vandal housing features CleanView™ self-cleaning dome coating treatment. All MEGApix® cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

## Features

- 5MP 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 2.7-13.5mm vari-focal p-iris lens with motorized zoom and auto-focus
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 100' Smart IR™ with intelligent camera sync.
- CleanView™ hydrophobic dome coating repels water, dust and grease
- 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
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- ONVIF conformant, profile S
- IP66 environmental-rated dust-tight and water-resistant
- IK10-rated impact-resistant
- 5 year warranty



## Accessories (optional)



DWC-VFZWM  
Wall mount  
bracket.



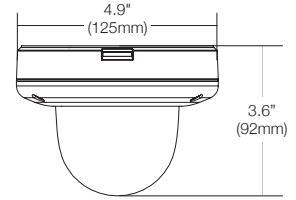
DWC-VFZJUNC  
Junction box.



DWC-VFZCM  
Ceiling mount  
bracket.

## Dimensions

unit: Inch (mm)



## Specifications

<b>IMAGE</b>	
Image sensor	5MP 1/2.8" CMOS
Total pixels	2592(H) X 1944(V)
Minimum scene illumination	0.08 lux (color) 0.0 lux (B&W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
<b>LENS</b>	
Focal length	2.7-13.5mm, F1.4
Lens type	Vari-focal p-iris lens with motorized-zoom and auto-focus
Field of view (FoV)	85° - 31°
IR distance	100ft range
Optical zoom / digital zoom	x5 optical zoom
<b>I/O</b>	
Audio in/out	1/1
Audio compression	G.711
Alarm in/out	1/1
<b>OPERATIONAL</b>	
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 and night	Auto, day (color), night (B/W)
Smart DNR™ 3D digital noise reduction	3D-DNR
Wide Dynamic Range (WDR)	True WDR
Wide Dynamic Range (WDR) dB	120dB
Privacy zone	16 programmable privacy masks
Backlight Compensation (BLC)	Yes
Mirror and flip	Yes
Alarm notifications	Notifications via e-mail notifications, FTP, alarm output and SD card recording
Memory Slot	Micro SD / SDHC / SDXC (card not included)
<b>NETWORK</b>	
LAN	10/100Base-T
Video compression type	H.265, H.264, MJPEG
Resolution	H.265: 2592x1944, 2304x1296, 2.1MP/1080p, 720p, VGA, D1, CIF H.264: 2592x1944, 2304x1296, 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 2.1MP/1080p, 720p, 800x600, VGA, 768x432, D1, CIF
Frame rate	Up to 30fps at all resolutions
Video bitrate	H.264 / H.265 : 32Kbps - 14Mbps MJPEG : 1Mbps - 40Mbps
Bitrate control	H.265 dual-stream or simultaneous H.265 / H.264 / MJPEG
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(SSL), IP filtering, 802.1x, digest authentication(ID/PW)
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux® Browser: Internet Explorer®, Google Chrome®, Mozilla Firefox®, Safari®
Video management software	DW Spectrum® IPVMS
<b>ENVIRONMENTAL</b>	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% RH (non-condensing)
IK rating	IK10 impact resistant
IP rating	IP66 certified
Other certifications	CE, FCC, RoHS
<b>ELECTRICAL</b>	
Power requirement	DC 12V, PoE (IEEE 802.3af Class 3). (Adapter not included)
Power consumption	DC12V: max7.4W PoE: max8.7W
<b>MECHANICAL</b>	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	4.9" x 3.6" (125 x 92 mm)
Weight	1.12 lb (0.51kg)
Warranty	5 year warranty

