

**NDAA**  
COMPLIANT PRODUCT



**STAR-LIGHT PLUS**  
Color in Darkness Technology

**H.265**  
H.264/MJPEG

**30fps**

**2.1MP**

Resolution



Intelligent Video Analytics



Star-Light Plus™



Vari-Focal Motorized Zoom P-Iris Lens



True WDR

**5YEAR**

Warranty

## Summary

This NDAA-compliant MEGApix® IP camera provides 2.1MP/1080p resolution at real-time 30fps, includes a 2.8-12mm vari-focal auto-focus lens with motorized zoom and simultaneous H.265/H.264/MJPEG codec support. The camera is powered by Star-Light Plus™ color in near-total darkness technology for quality video in any lighting conditions. The IP66-rated, IK-10 impact resistant vandal housing features CleanView™ self-cleaning dome coating. All MEGApix® cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

## Features

- 2.1MP/1080p 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 2.8-12mm 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 mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input and relay output
- PoE class 3 and DC12V
- UL listed
- NDAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 10-rated impact-resistant
- 5 year warranty



## Accessories (Optional)



DWC-V1CNMW  
Corner mount



DWC-VFJUNCW  
Junction box

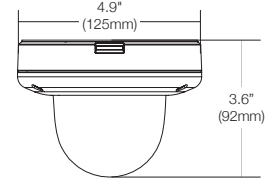


DWC-VFCMW  
Ceiling mount bracket

DWC-VFWMW  
Wall mount bracket

## Dimensions

Unit: Inch (mm)



## Specifications



IMAGE	
Image sensor	2.1MP/1080p 1/2.8" CMOS
Total pixels	1945 (H) X 1109 (V)
Minimum scene illumination	0.02 lux (color) 0.0 lux (B/W)
Video output	
Video output	Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio
LENS	
Focal length	2.8-12mm, F1.4
Lens type	Vari-focal p-iris lens with motorized-zoom and auto-focus
HFOV / VFOF	96° - 35° / 51° - 20°
IR distance	100ft range
Optical zoom	x4.2 optical zoom
I/O	
Audio in/out and compression	1/1, G.711
Alarm in/out	1/1
OPERATIONAL	
Intelligent Video Analytics	IVA: intrusion, line crossing, counting line, loitering, enter, exit, tamper (DWC-MV82WiATW) IVA+: object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules (DWC-MPV82WiATW)
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)
3D digital noise reduction	Smart DNR™ 3D-DNR
Wide Dynamic Range (WDR)	True WDR, 120dB
Privacy zone	16 programmable privacy masks
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)
NETWORK	
LAN	10/100 Base-T
Video compression type	H.265, H.264, MJPEG
Resolution	H.265: 2.1MP/1080p, 720p, VGA, D1, CIF H.264: 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 1280x720, 800x600, VGA, 768x432, D1, CIF
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, 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	10-90% (non-condensing)
IP and IK rating	IP66-rated, IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC 12V, PoE IEEE 802.3af Class 3. (Adapter not included)
Power consumption	DC12V: max 6.5W, PoE: max 8.5W
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	4.9" x 3.6" (125 x 92 mm)
Weight	1.87 lb (0.85kg)
Warranty	5 year warranty



Built for Users.™

