



## Summary

This MEGApix® IVA™ IP camera is your gateway to powerful video analytics features. It is NDAA/TAA compliant and provides 2.1MP/1080p resolution at real-time 30fps. The MEGApix IVA cameras have a powerful engine to detect and classify people and vehicles in real-time. IVA+ license upgrade offers advanced Video Content Analysis detection capabilities. This camera includes 2.8mm and 4.0mm fixed lens options, 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, all in an IP66-rated, IK-10 impact resistant ultra low-profile vandal dome housing. 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
- Intelligent Video Analytics (IVA)
- Extended Intelligent Video Analytics (IVA+ license required)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- 2.8mm fixed lens (DWC-MF2Wi28TW)
- 4.0mm fixed lens (DWC-MF2Wi4TW)
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 50' Smart IR™ with intelligent camera sync
- Ultra low-profile vandal dome camera
- 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)
- Web server built-in
- PoE class 2 and DC12V
- UL listed
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 10-rated impact-resistant
- 5 year warranty



## Accessories (optional)



DWC-VFCMW  
Wall mount  
bracket



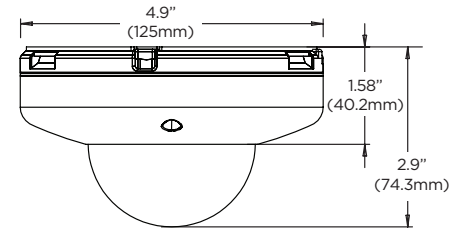
DWC-VFWMW  
Junction box



DWC-VFJUNCW  
Ceiling mount  
bracket

## Dimensions

Unit: Inch (mm)



## Specifications



<b>IMAGE</b>	
Image sensor	2.1MP/1080p 1/2.8" CMOS
Total pixels	1945 (H) X 1109 (V)
Minimum scene illumination	0.25 lux (color) 0.0 lux (B/W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio
<b>LENS</b>	
Focal length	2.8mm, F2.0 (DWC-MF2Wi28TW) 4.0mm, F2.6 (DWC-MF2Wi4TW)
Lens type	Fixed lens
HFOV / VFOV	115° / 65° (DWC-MF2Wi28TW) 86° / 46° (DWC-MF2Wi4TW)
IR distance	50ft range
<b>I/O</b>	
Audio in/out	1/1
Audio compression	G.711
Alarm in/out	1/1
<b>OPERATIONAL</b>	
Intelligent Video Analytics	IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left
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, 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)
<b>NETWORK</b>	
LAN	RJ45 (10/100Base-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: Internet Explorer®, Google Chrome®, Mozilla Firefox®, Safari® NOTE: Chrome browser is recommended for IVA configuration
Video management software	DW Spectrum® IPVMS
<b>ENVIRONMENTAL</b>	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% (non-condensing)
IP rating	IP66-rated
IK rating	IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS
<b>ELECTRICAL</b>	
Power requirement	DC 12V, PoE (IEEE 802.3af Class 2). (Adapter not included)
Power consumption	DC12V: max 4W PoE: max 5.5W
<b>MECHANICAL</b>	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	4.9" x 2.9" (125 x 74.3 mm)
Weight	0.92 lbs (0.42kg)
Warranty	5 year warranty