MEGAPIX®
IP cameras

2.8/3.6 mm FIXED LENS OPTIONS

NDAA COMPLIANT PRODUCTS

H.265 H.264/MJPEG

30fps

5MP Resolution

2.8, 3.6mm Fixed Lens Options

WDR

Smart IR™

IP67 Rated

5 YEAR Warranty

Dimensions
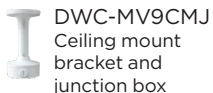unit: Inch (mm)

3.54" (90mm)

4.59" (116.6mm)

Summary

These MEGApix® IP cameras are NDAA compliant and deliver crystal-clear images at 5MP resolution and real-time 30fps. The vandal dome camera features 2.8mm and 3.6mm fixed lens options in an IP67-rated, IK10 impact-resistant housing. Added intelligence includes line crossing, perimeter intrusion, video tampering detection and object classification. All MEGApix cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

Features

- 5MP 1/2.7" image sensor at real-time 30fps
- 2.8mm fixed lens (DWC-MV95Wi28TW)
- 3.6mm fixed lens (DWC-MV95Wi36TW)
- True Wide Dynamic Range (WDR)
- Multiple codecs (H.265, H.264, MJPEG) with simultaneous dual-stream
- 100ft range Smart IR™
- Object classification video analytics
- Line crossing video analytics
- Perimeter intrusion video analytics
- Video tampering with scene change detection video analytics
- Video tampering with video blur detection video analytics
- Video tampering with abnormal color detection video analytics
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- De-Fog™ extreme weather image compensation
- Auto white balance (AWB)
- Motion detection
- Audio input through built-in microphone
- 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
- NDAA compliant
- IP67 dust-tight and waterproof to 3 feet
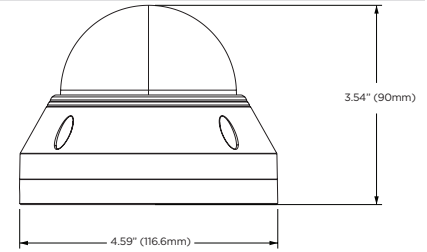- IK 10-rated impact-resistant
- 5 year warranty

ONVIF

Mounting accessories (Optional)

DWC-MV9CMJ
Ceiling mount bracket and junction box

DWC-MV9JUNC
Junction box

DWC-MTTWM
Wall mount bracket

Specifications

IMAGE	DWC-MV95Wi28T	DWC-MV95Wi36T
Image sensor	5MP 1/2.7" CMOS	
Total pixels	2592 (H) x1944 (V)	
Minimum scene illumination	0.02 lux (color)	
	0.0 lux (B/W)	
S/N ratio	50dB	
LENS		
Focal length	2.8mm, F1.6	3.6mm, F1.6
Lens type	Fixed lens	
Field of view (FoV)	98.5°	81.4°
IR distance	100ft range	
I/O		
Audio in / out	1 audio input and 1 microphone built-in	
Audio compression	G.711A / U	
Alarm in / out	1 alarm input / 1 alarm output	
OPERATIONAL		
Shutter mode	Auto, manual	
Shutter speed	1/30s ~ 1/100000s	
Auto gain control	Auto	
Day / night	Auto, day (color), night (B/W), schedule	
Smart DNR™ 3D digital noise reduction	3D DNR	
Wide dynamic range (WDR)	True WDR low, middle, high	
Wide dynamic range (WDR) dB	120dB	
Privacy zone	4 programmable privacy masks	
Camera analytics	Line crossing, perimeter intrusion, video tampering detection (scene change, video blur, abnormal color detection), object classification (differentiate humans from objects)	
Backlight compensation (BLC)	Yes	
De-Fog	Yes	
Mirror and flip	Yes	
Alarm notifications	Notifications via email or FTP server	
Memory slot	Micro SD / SDHC / SDXC card up to 256GB (card not Included)	
NETWORK		
LAN	802.3 compliance 10/100 LAN	
Video compression type	H.265, H.264, MJPEG	
Resolution	5MP, 4MP, 2K, 3MP, 2.1MP/1080P, 720P (60Hz: 1 ~ 30fps; 50Hz: 1-25fps) HFR mode: 1080P / 720P (60Hz : 1 ~ 60fps; 50Hz: 1-50fps)	
Frame rate	Up to 30fps at all resolutions	
Video bitrate	64 Kbps ~ 8 Mbps	
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	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, ICMP, IGMP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPs, QoS	
Security	IP filtering, MAC filtering, authentication (ID/PW), SSL/TSL	
ONVIF conformance	Yes	
Web viewer	OS: Windows®	
	Browser: Internet Explorer	
Video management software	DW Spectrum® IPVMS	
ENVIRONMENTAL		
Operating temperature	-22°F ~ 140°F (-30°C ~ 60°C)	
Operating humidity	95% RH (non~condensing)	
IP rating	IP67-rated	
IK rating	IK10 impact-resistant	
Other certifications	FCC, CE, ROHS, POE, ONVIF	
ELECTRICAL		
Power requirement	DC 12V, PoE IEEE 802.3af Class 3. (Adapter not included)	
Power consumption	6W	
MECHANICAL		
Material	Metal vandal housing, polycarbonate dome	
Dimensions	4.59" x 3.54" (116.6x 90 mm)	
Weight	1.43 lb (0.65 kg)	
Warranty	5 year warranty	

: 866.446.3595   ✉ : sales@digital-watchdog.com   🌐 : www.digital-watchdog.com

DW
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