

**2.8/  
4.0/6.0mm**  
Fixed Lens  
Options



**2.1**

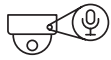
Megapixel



2.8mm, 4.0mm  
Fixed Lens Options



True WDR



Built-in  
Microphone



IP66 Rated

**5 YEAR**

Warranty

## Summary

This MEGAPIX® IP camera provides 2.1MP/1080p resolution at real-time 30fps and the convenience of audio input through built-in microphone. It includes a 2.8mm and 4.0mm fixed lens options with image enhancement features such as 120db true WDR, Smart IR™ and Smart DNR™, all in an IP66, IK10-rated ultra low-profile vandal resistant housing. All MEGAPIX® cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

## Features

- 2.1MP/1080p 1/2.7" image sensor at real-time 30fps
- 28mm, 4.0mm fixed lens options
- True Wide Dynamic Range (WDR)
- Dual codecs (H.264, MJPEG) with simultaneous streaming
- 50' Smart IR™ with intelligent camera sync
- Audio input through built-in microphone
- Ultra low-profile vandal dome camera housing
- Smart DNR™ 3D digital noise reduction
- True day/night 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 2
- Waterproof cabling
- ONVIF conformant, profile S
- IP64 environmental-rated dust-tight and water-resistant
- IK 10-rated impact-resistant
- 5 year warranty



## Accessories (Optional)



DWC-V7WM  
Wall mount  
bracket



DWC-V7JUNC  
Junction box



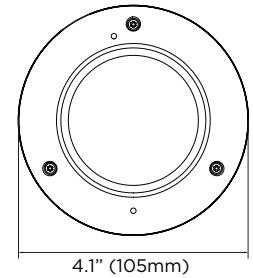
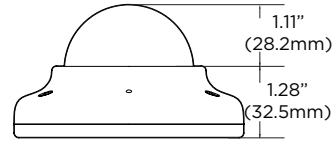
DWC-V7DECO  
5x decorative  
rings



DWC-V7CM  
Ceiling mount  
bracket

## Dimensions

Unit: inch (mm)



## Specifications

Designed and engineered in U.S.A and Korea

<b>IMAGE</b>	
Image Sensor	2.1MP/1080p 1/2.7" CMOS
Total pixels	1928 (H) x 1088 (V)
Minimum Scene Illumination	0.25 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	2.8mm, F2.0 (DWC-MV72Wi28A) 4.0mm, F2.6 (DWC-MV72Wi4A)
Lens Type	Fixed lens
Field of view (FoV)	118° (DWC-MV72Wi28A) 88° (DWC-MV72Wi4A)
IR Distance	50ft range
<b>I/O</b>	
Audio in / out	Built-in microphone
Audio compression	G.711
<b>OPERATIONAL</b>	
Shutter Mode	Auto, manual, anti-flicker, slow shutter
Shutter Speed	1/30 - 1/8000
Slow Shutter	1-1/5, 1/7.5, 1/15
Auto gain control	Auto
Day and night	Auto, day (color), night (B/W)
Smart DNR™ 3D Digital Noise Reduction	0 - 11
Wide Dynamic Range (WDR)	On, off
Wide Dynamic Range dB	120dB
Privacy Zones	16 programmable privacy masks
Backlight compensation (BLC)	On / off / HSBLC On / off / HSBLC
Mirror and flip	Yes
Alarm Notifications	Notifications via e-mail, FTP server or SD card recording
Memory Slot	Micro SD / SDHC / SDXC up to 128GB (card not included)
<b>NETWORK</b>	
LAN	802.3 compliance 10/100 LAN
Video Compression Type	H.264, MJPEG
Resolution	H.264: 1080p/720p/VGA/D1/CIF MJPEG: 1280 x 720/800 x 600/VGA/768 x 432/D1/CIF
Frame Rate	H.264: 1080p/720p/VGA/D1/CIF MJPEG: 1280 x 720/800 x 600/VGA/768 x 432/D1/CIF
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	ONVIF, TCP/IP, UDP, autoIP, 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)
ONVIF Conformance	Yes
OS: Windows®, Mac® OS, Linux®	
Web Viewer	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	Less than 90% (non-condensing)
IP Rating	IP64 certified
IK Rating	IK10 rated impact-resistant
Other Certifications	CE, FCC, RoHS
<b>ELECTRICAL</b>	
Power Requirement	DC 12V, PoE (IEEE 802.3af Class 2). (Adapter not included)
Power Consumption	PoE: max 5.2W
<b>MECHANICAL</b>	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	4.13" x 2.4" (105 x 61mm)
Weight	0.88lbs (0.4kg)