

**NDA**  
COMPLIANT PRODUCT  
**TAA**  
COMPLIANT PRODUCT

**-40°**  
Cold Start



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

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

**30fps**

**5MP**

Resolution



Intelligent Video Analytics



Star-Light Plus™



Vari-Focal Motorized Zoom P-Iris Lens



IP68 Rated

**5 YEAR**

Warranty

## Summary

This NDA/TAA-compliant MEGApix® IP camera provides 5MP resolution at real-time 30fps, includes a 2.7-13.5mm vari-focal p-iris lens with motorized zoom and auto-focus 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 and Cold Start at -40° F/-40° C. The unique Snapit™ housing is easy to install, includes CleanView™ dome treatment and is IP68-rated. 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
- Cold Start -40°F (-40°C)
- 100' Smart IR™ with intelligent camera sync
- CleanView™ hydrophobic dome coating repels water, dust and grease
- Snapit™ easy installation camera
- Smart DNR™ 3D digital noise reduction
- True day/night with 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
- NDA/TAA compliant
- IP68 dust-tight and waterproof
- IK 10-rated impact-resistant
- 5 year warranty



## Accessories (Optional)



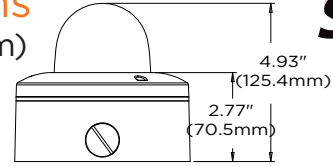
DWC-V4CMW  
Ceiling mount bracket



DWC-V4WMW  
Wall mount bracket

## Dimensions

unit: Inch (mm)



**Snapit™**

## 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 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
HFOV / VFOV	96° - 31° / 70° - 24°
IR distance	100ft range
Optical zoom	x5 optical zoom
<b>I/O</b>	
Audio in/out and compression	1 input/1 output, G.711
Alarm in / out	1 input/1 output
<b>OPERATIONAL</b>	
Intelligent Video Analytics	IVA: intrusion, line crossing, counting line, loitering, enter, exit, tamper (DWC-MV45WiATW) IVA+: object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules (DWC-MPV45WiATW)
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 / 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	E-mail, FTP server, alarm output activation or 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: 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	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	-40°F - 122°F (-40°C - 50°C)
Operating humidity	10-90% RH (non-condensing)
IP rating, IK rating	IP68-rated, IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS, NDA, TAA
<b>ELECTRICAL</b>	
Power requirement	DC12V, PoE IEEE 802.3af Class 3 (Adapter not included)
Power consumption	DC12V: max 8.3W, PoE: max 10.5W
<b>MECHANICAL</b>	
Material	Snapit™ aluminum vandal housing, polycarbonate dome
Dimensions	5.47" x 4.93" (139 x 125.4 mm)
Weight	2.75 lbs (1.25kg)
Warranty	5 years warranty



Built for Users.™

