NDAA COMPLIANT PRODUCT

STAR-LIGHT PLUS™
Color in Darkness Technology

H.265 H.264/MJPEG   30fps

4K Resolution	Intelligent Video Analytics	Star-Light Plus™	2.8mm Fixed Lens	True WDR	**5** YEAR Warranty

Dimensions
Unit: Inch (mm)

4.92" (125mm)
4.4" (112mm)

Summary

This NDAA-compliant MEGApix® IP camera provides 4K resolution at real-time 30fps. The camera features Star-Light Plus™ color in near-total darkness technology for quality video in any lighting conditions, simultaneous H.265/H.264/MJPEG codec support and a 2.8mm fixed lens. The weather-resistant vandal ball turret cameras are IP66-rated, eliminate IR reflections, offer easy angle adjustment for optimal image quality and easy access to the camera's control board from the base of the camera. All MEGApix cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

Features

- 4K 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 2.8mm fixed lens
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 100' Smart IR™ with intelligent camera sync
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- 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
- UL listed
- NDAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 9-rated impact-resistant
- 5 year warranty

ONVIF

Accessories (Optional)
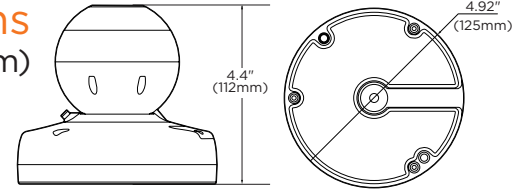
DWC-V1CNMW
Corner mount

DWC-VFJUNCW
Junction box

DWC-VFCMW
Ceiling mount bracket

DWC-PMB-WL-W
Pole mount

DWC-VFWMW
Wall mount bracket

Specifications

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IMAGE	
Image sensor	4K 1/2.8" CMOS sensor
Total pixels	3864(H) x 2228(V)
Active pixels	3840 (H) X 2160 (V)
Minimum scene illumination	0.12 lux (color) / 0 lux (B/W)
S/N ratio	50dB
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
LENS	
Focal length	2.3mm, F2.0
Lens type	Fixed lens
Horizontal Field of view (HFoV)	105.5°
Vertical Field of view (VFoV)	56.3°
IR distance	100ft range
I/O	
Audio in/out	1/1
Audio compression	G.711
Alarm in/out	1/1
OPERATIONAL	
Intelligent Video Analytics	IVA: intrusion, line crossing, counting line, loitering, enter, exit, tamper (DWC-MVD8Wi28TW)
	IVA+: object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules, logical rules (DWC-MPVD8Wi28TW)
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
Wide Dynamic Range (WDR) dB	120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Backlight compensation (BLC)	Yes
Mirror and flip	Yes
Alarm notifications	Notifications via email, FTP, alarm output and SD card recording
Memory slot	Micro SD/SDHC/SDXC class 10 card (not included)
NETWORK	
LAN	1000Base-T (1Gbps)
Video compression type	H.265, H.264, MJPEG
Resolution	H.265: QFHD, 2.1MP/1080p, 720p, VGA, D1, CIF / H.264: QFHD, 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.265 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4
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 authetication
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux® / Browser: IE, Chrome, Firefox
Video management software	DW Spectrum® IPVMS
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Operating humidity	10~90% RH, (non-condensing)
IK rating	IK9 impact-resistant
IP rating	IP66-rated
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class 3 (Adapter not included)
Power consumption	DC12V: 9.8W / PoE: 13.9W
MECHANICAL	
Material	Aluminum vandal ball turret housing
Dimensions	4.92" x 4.4" (125 x 112mm)
Weight	1.87 lbs (0.85 kg)
Warranty	5 year warranty

Built for Users.™

DW

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