MEGApix® IVA GALAXY™

4K color in near-total darkness vandal ball IP camera with IVA
DWC-MVD8WiATW

IVA Inside

4K ULTRA HD

NDAA COMPLIANT PRODUCTS

STAR-LIGHT PLUS™
Color in Darkness Technology

H.265 H.264/MJPEG

30fps

4K Resolution

Intelligent Video Analytics

Star-Light Plus™

Vari-Focal Motorized Zoom P-Iris Lens

True WDR

5 YEAR Warranty

Summary

This MEGApix® IVA™ Galaxy IP camera is your gateway to powerful video analytics features. It is NDAA compliant and provides 4K 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 features Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition, simultaneous H.265/H.264/MJPEG codec support and a 2.7~13.5mm vari-focal auto-focus lens with motorized zoom and 5x optical zoom. The Galaxy weather-resistant vandal ball 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
- Intelligent Video Analytics (IVA)
- Extended Intelligent Video Analytics (IVA+ license required)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- 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
- 100' Smart IR™ with intelligent camera sync
- Galaxy™ vandal ball camera
- 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

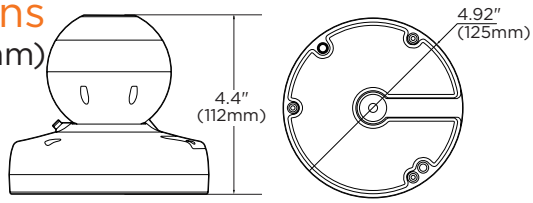
DWC-VFJUNCW
Junction box

DWC-VFWMW
Wall mount bracket

DWC-VFCMW
Ceiling mount bracket

Dimensions

Unit: Inch (mm)



Specifications

c UL us LISTED

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	0.09 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	2.7-13.5mm, F1.4
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Horizontal Field of view (HFoV)	33.1°~90.3°
Vertical Field of view (VFoV)	18.9°~49°
IR distance	100ft range
Optical zoom	5x optical zoom
I/O	
Audio in / out	1/1
Audio compression	G.711
Alarm in / out	1/1
OPERATIONAL	
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, logical rules
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
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 (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 12.4W PoE 14.9W
MECHANICAL	
Material	Aluminum ball housing
Dimensions	4.92" x 4.4" (125 x 112mm)
Weight	1.87 lbs (0.85 kg)
Warranty	5 year warranty

DW CHANNEL PARTNER PROGRAM™

Increase sales and profitability. Sign up and become a DW Channel Partner today!

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

REV. 06/22

Copyright © DW. All rights reserved. Specifications and pricing subject to change without notice.