MEGAPIX® IVA+™
IP cameras with Intelligent Video Analytics

5MP color in near-total darkness vandal ball IP camera with IVA+
DWC-MPVA5Wi28T

5MP Resolution
Intelligent Video Analytics (IVA+)
Star-Light Plus™
2.8mm Fixed Lens
True WDR
5YEAR Warranty

Summary

This MEGApix® IVA+™ IP camera is your gateway to powerful video analytics features. It is NDAA/TAA compliant and provides 5MP resolution at real-time 30fps. The MEGApix IVA+ cameras have a powerful engine to detect and classify people, vehicles and objects in real-time with support for logical rules. 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 2.8mm fixed lens. The weather-resistant vandal ball cameras are IP67-rated and offer true 90° tilting and 360° rotation, eliminate IR reflections and offer easy angle adjustment to pan, rotate and tilt the camera for optimal image quality. 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
- Intelligent Video Analytics (IVA) with extended features (IVA+)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- 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
- Vandal ball housing reduces IR reflection with true 90° tilting and 360° rotation
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Web server built-in
- PoE class 3 and DC12V
- UL listed
- NDAA/TAA compliant
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

ONVIF

Accessories (Optional)

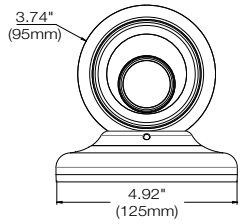
DWC-VAWM
Wall mount bracket

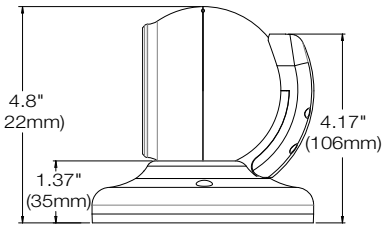
DWC-VAJUNC
Junction box

DWC-VACM
Ceiling mount bracket

Dimensions

Unit: Inch (mm)





Specifications

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IMAGE	
Image sensor	5MP 1/2.8" CMOS
Total pixels	2592 (H) X 1944 (V)
Minimum scene illumination	0.13 lux (color) 0.0 lux (B/W)
LENS	
Focal length	2.8mm, F1.8
Lens type	Fixed lens
HFOV / VFOV	103° / 78°
IR distance	100ft range
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
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
Privacy zone	16 programmable privacy masks
Backlight compensation (BLC)	Yes
Mirror and flip	Yes
Alarm notifications	Notifications via e-mail and FTP server recording
NETWORK	
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	H.265 / H.264: 32Kbps - 14Mbps MJPEG: 1Mbps - 40Mbps
Bitrate control	H.265 dual-stream or simultaneous H.265 / H.264 / MJPEG
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: IE®, Google Chrome®, Mozilla Firefox®, Safari® NOTE: Chrome browser is recommended for IVA configuration
Video management software	DW Spectrum® IPVMS
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% (non-condensing)
IP rating	IP67-rated
IK rating	IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC 12V, PoE IEEE 802.3af Class3. (Adapter not included)
Power consumption	DC12V: max 6.5W PoE: max 7.8W
MECHANICAL	
Material	Aluminum vandal ball housing
Dimensions	4.92" x 4.8" (125 x 122 mm)
Weight	1.76 lbs (0.8 kg)
Warranty	5 year warranty

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

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DW DIGITAL WATCHDOG