MEGApix IVA+
IP cameras with Intelligent Video Analytics

IVA+ Inside

VARI-FOCAL LENS with MOTORIZED ZOOM & AUTO FOCUS

STAR-LIGHT PLUS
Color in Darkness Technology

H.265 H.264/MJPEG 30fps

NDAA COMPLIANT PRODUCTS

-40° Cold Start™

5MP Resolution	Intelligent Video Analytics (IVA+)	Star-Light Plus™	Vari-Focal Motorized Zoom P-Iris Lens	IP68 Rated	5 YEAR Warranty

Dimensions
unit: Inch (mm)

Snapit™

4.93" (125.4mm)
2.77" (70.5mm)

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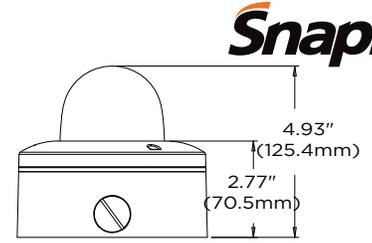
Summary

This MEGApix® IVA+™ IP camera is your gateway to powerful video analytics features. It is NDAA 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 includes a 2.7~13.5mm vari-focal p-iris lens with motorized zoom and auto-focus, simultaneous H.265/H.264/MJPEG codec support, Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition 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
- Intelligent Video Analytics (IVA) with extended features (IVA+)
- 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
- 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
- NDAA compliant
- IP68 dust-tight and waterproof
- IK 10-rated impact-resistant
- 5 year warranty

ONVIF

Accessories (Optional)

DWC-V4CMW
Ceiling mount bracket

DWC-V4WMW
Wall mount bracket

Specifications

IMAGE	
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
LENS	
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
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
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)
Smart DNR™ 3D digital noise reduction	3D-DNR
Wide dynamic range (WDR)	True WDR, 120dB
Privacy zone	16 programmable privacy masks
Mirror and flip	Yes
Alarm notifications	Notifications via e-mail, FTP server, alarm output activation or SD card recording
Memory slot	Micro SD / SDHC / SDXC (card not Included)
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	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
ENVIRONMENTAL	
Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)
Operating humidity	10~90% RH (non–condensing)
IP rating	IP68-rated
IK rating	IK10 impact-resistant
Other certifications	UL listed, CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3af Class 3 (Adapter not Included)
Power consumption	DC12V: max 8.3W, PoE: max 10.5W
MECHANICAL	
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 year warranty

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DW DIGITAL WATCHDOG