MEGApix FLEX™
Configurable Multi-Sensor IP Cameras with IVA Analytics

IVA+ Inside

4x VARI-FOCAL LENSES

STAR-LIGHT PLUS™
Color in Darkness Technology

H.265 H.264/MJPEG

30fps

NDAA COMPLIANT PRODUCTS

20MP Resolution	Intelligent Video Analytics (IVA+)	**4x** Vari-Focal Motorized Zoom Lens	4-in-1 Install	Flexible Sensor Positioning	**5YEAR** Warranty

Summary

This IP camera powered by IVA is your gateway to powerful video analytics features. The camera is a 20MP NDAA-compliant multi-sensor configurable panoramic camera that reduces total system cost by providing four video streams at real-time 30fps with vari-focal lenses in one housing and installation. The MEGApix IVA+ cameras have a powerful engine to detect and classify people, vehicles and objects in real-time with support for logical rules. The camera features Star-Light Plus™ color in near-total darkness technology and true WDR for quality video in any lighting condition. The four (4) lens modules can be placed in five (5) positions on a magnetic track. A mounting access is sold separately and is needed to complete the camera's installation.

Features

- 20MP (4x 5MP) 1/3" image sensors 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
- 360° and 180° flexible panoramic view IP camera
- 4x 2.8~8.0mm vari-focal lens modules with motorized zoom and auto-focus
- Four cameras in one installation
- 3-axis gimbal for wide range lens positioning
- Flexible sensor positioning on a magnetic base
- True wide dynamic range (WDR)
- PoE injector included
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- Two-way audio
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Micro SD/SDHC/SDXC class 10 card (not included)
- Alarm sensor input and relay output
- NDAA compliant
- UL listed
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
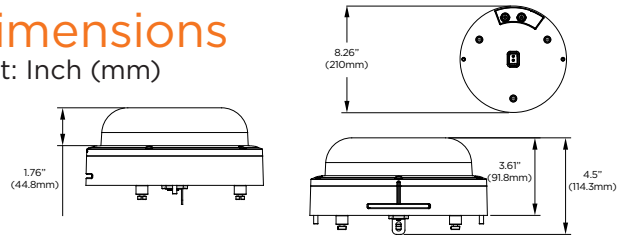- 5 year warranty

ONVIF

Mounting accessories (Required. Sold separately.)

DWC-PV20FMW In-ceiling flush mount	DWC-PV20JUNCW Junction box	DWC- V1CNMW Corner mount
DWC-PV20CMW Ceiling mount bracket	DWC-PV20ADPW Tilting adapter for DWC-PZPARAM	DWC-PMB-WLW Pole mount
DWC-PV20WMW Wall mount bracket	DWC- PZPARAM Parapet mount (DWC-PV20ADPW required. Purchased separately)	

Dimensions
Unit: Inch (mm)

8.26" (210mm)

1.76" (44.8mm)

3.61" (91.8mm)

4.5" (114.3mm)

Specifications

C UL US LISTED

IMAGE	
Image sensor	4x 1/2.8" 5.14MP CMOS
Total pixels	4x 2592(H) x 1944(V)
Minimum scene illumination	0.05 lux (color)
	0.1 lux (B/W)
Test video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
S/N ratio	50dB
Maximum resolution	20MP (4x 2592x1944)
LENS	
Focal length	4x 2.8 - 8.0mm, F1.6
Lens type	Vari-focal lens with motorized zoom and auto-focus
Field of view (HFoV/VFoV)	4x 51° ~ 93° HFoV/ 4x 39°-68° VFoV
I/O	
Audio in/out and compression	1 (1.0Vms, 3K ohm) input/1 output, G.711
Alarm in/out	1 input/1 output
Event triggers	Motion detection, network loss, temperature critical, illegal login, schedule, sensor detection and system reboot
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
Wide dynamic range (WDR) dB	120dB
White balance	Auto
Mirror and flip	Yes
Privacy zone	16 programmable privacy masks
Alarm notifications	Email notifications, FTP, alarm output, SD card recording
Memory slot	Micro SD/SDHC/SDXC class 10 card (not included)
NETWORK	
LAN	RJ45 (10/100Base-T)
Video compression type	H.265, H.264, MJPEG
Resolution	4x H.265: 2592x1944, 2560x1440, 1920x1080, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
	4. H.264: 2592x1944 2560x1440 1920x1080 704x576 704x480 640x480 640x360 352x288 352x240
	4x MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps - 10Mbps, multi-rate for preview and recording
Bitrate control	Multistreaming 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 authentication (ID/PW)
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux®
	Browser: Internet Explorer®, Google Chrome®, Mozilla Firefox®, Safari®
Video management software	DW Spectrum IPVMS
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C - 50°C)
Operating humidity	10~90% RH, (non-condensing)
IP rating	IP67-rated
IK rating	IK10 impact resistant
Other certifications	FCC, CE, ROHS, UL listed
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3bt PoE+ class 5 (PoE injector included)
Power consumption	DC12V: max 28W, PoE: max 31W
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	8.26" x 3.61" Inch (210 x 91.8 mm)
Weight	4.18 lbs (1.9 kg)
Warranty	5 year warranty

DW CHANNEL PARTNER PROGRAM™

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

DW

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