MEGAPIX FLEX
Configurable Multi-Sensor IP Cameras

NDAA COMPLIANT PRODUCTS

4 in ONE
One Installation

16MP Resolution at 30fps	**4x** 4x Fixed Lenses*	4-in-1 Install	Flexible Sensor Install	IP66 Rated	**5 YEAR** Warranty

Summary

MEGApix® Flex™ 16MP multi-sensor configurable IP cameras reduce total system cost by providing four 4MP CMOS sensors in one housing and installation. The Flex™ camera produces four video streams at real-time 30fps.

The camera comes as a complete solution including 4 fixed lenses installed or is fully customizable with camera base unit plus selection of up to 4 sensor/lens modules. Modules DO NOT need to be same lens size. Modules available with 2.8mm, 4.0mm, 6.0mm or 8.0mm lenses. Camera base unit and sensor/lens modules are sold separately (see below details chart).

Features

- 16MP 1/3" image sensors at real-time 30fps
- 360° and 180° flexible panoramic view IP camera
- Available as a complete system with 4x 2.8mm, 4x 4.0mm, 4x 6.0mm, or 4 x 8.0mm lens modules or camera and other lens options sold separately.
- Four cameras in one installation
- Flexible sensor positioning with magnets
- True wide dynamic range (WDR)
- PoE injector included
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Two-way audio
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- 4x Micro SD/SDHC/SDXC class 10 card (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- UL listed
- ONVIF conformant, profile S
- PoE Class 3 and DC12V
- NDAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

ONVIF

Flexible Configuration:

1. DWC-PVX16W2W: 4x 2.8mm modules
2. DWC-PVX16W4W: 4x 4.0mm modules
3. DWC-PVX16WW base camera and up to four modules: 2.8mm, 4.0mm, 6.0mm, 8.0mm

Focal Length:

DWC-PVXLMOD28 - 2.8mm lens module
DWC-PVXLMOD4 - 4.0mm lens module
DWC-PVXLMOD6 - 6.0mm lens module
DWC-PVXLMOD8 - 8.0mm lens module

Accessories (Optional)

DWC-V1CNMW Corner mount

DWC-PZCMW Ceiling mount bracket

DWC-PZADPW Tilting adapter for parapet mount

DWC-PMB-WLW Pole mount

DWC-PZWMW Wall mount bracket

DWC-PZPARAMW Parapet mount (DWC-PZADPW required. Purchased separately)

Dimensions
Unit: Inch (mm)

3.3" (84mm)

7.56" (192mm)

Specifications

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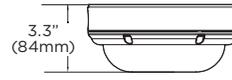
IMAGE	
Image sensor	4x 4MP 1/3" CMOS
Total pixels	4x 2688 (H) x 1520 (V)
Minimum scene illumination	0.41 lux (color)
Test video out	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
Maximum resolution	4x 4MP
LENS	
Focal length	DWC-PVX16W2W: 4x 2.8mm fixed lenses DWC-PVX16W4W: 4x 4.0mm fixed lenses DWC-PVX16WW: 2.8mm, 4.0mm, 6.0mm and 8.0mm lens combinations, base unit plus lens modules sold separately.
Lens type	Fixed lens
Field of view (HFoV)	90° (2.8mm), 51° (6.0mm), 81° (4.0mm), 39° (8.0mm)
I/O	
Audio in/out	1 input/1 output
Alarm in/out	1 input/1 output
Audio compression	G.711
OPERATIONAL (per sensor)	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/15 ~ 1/32000
Slow shutter	1 ~ 1/5,1/7.5, 1/10
Auto gain control	Yes
Day/night	Auto, day (color), night (B/W)
Smart DNR™ 3D digital noise reduction	Yes
Wide Dynamic Range (WDR)	True WDR on, off, 120dB
White balance	Auto
Mirror and flip	Yes
Privacy zones	16 programmable privacy masks
Alarm notifications	Email notifications, FTP, alarm output, SD card recording
Memory slot	4x micro SD/SDHC/SDXC class 10 card (not included)
NETWORK	
LAN	1000base-T(1Gbps)
Video compression type	H.264, MJPEG
Resolution	Up to 10,752 (H) x 1520 (V) total pixels
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 (controllable frame rate and bandwidth)
Streaming capability	Triple-stream at different rates and resolutions
IP	IPv4
Protocol	ONVIF, TCP/IP, UDP, autoIP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3 (MIB-2)
Security	HTTPS (TSL), 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®
Video management software	DW Spectrum® IPVMS
ENVIRONMENTAL	
Operating temp. and humidity	-4°F ~ 122°F (-20°C ~ 50°C), 10~90% RH, (non–condensing)
IP rating	IP66-rated
Other certifications	FCC, CE, ROHS, UL listed
ELECTRICAL	
Power requirement	DC12V, PoE+ IEEE 802.3at class 4 (High power PoE injector included)
Power consumption	18W
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	7.55" x 3.3" Inch (192 x 84 mm)
Weight	4.4 lbs (2.0 kg)
Warranty	5 year warranty

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