4x 8.0mm Fixed Lenses

4 in ONE — One Installation

21MP	180°	4x	Smart DNR™	IP66 Rated	5 YEAR
Total Resolution	Panoramic View	8.0mm Fixed Lenses	Smart DNR™	IP66 Rated	Limited Warranty

Dimensions
unit: Inch (mm)

4.25" (108mm)

7.55" (192mm)

Summary

The MEGApix® Pano™ 21MP multi-sensor IP vandal camera produces 180° views at real-time 30fps. The camera supports advanced features such as H.264 codec and Smart DNR™ in an aluminum vandal housing with zero distortion anti-reflective glass. The 21MP camera does the work of many cameras from one installation, delivering both unprecedented wide views and details.
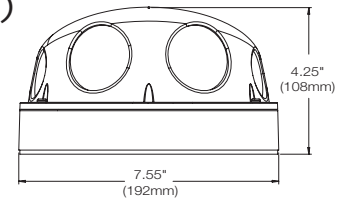
Features

- 4x 6.4MP 1/1.8" image sensor at real-time 30fps
- 21MP 180° panoramic view IP camera
- 4x 8.0mm fixed lens
- Fast frame rates: real-time 30fps at 21MP
- Zero distortion anti-reflective glass
- PoE injector included
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Two-way audio
- Easy image alignment and stitching
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Alarm sensor input and relay output
- Web server built-in
- UL listed
- ONVIF conformant, profile S
- PoE+ high power and DC12V
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

Accessories (Optional)

DWC-V1CNM Corner mount bracket

DWC-PZCM Ceiling mount

DWC-PZADP Adapter for parapet mount

DWC-PMB-WL Pole mount bracket

DWC-PZWM Wall mount

DWC-PZPARAM Parapet mount (DWC-PZADP required. Purchased separately)

ONVIF

Specifications

UL LISTED

IMAGE	
Image sensor	4x 1/1.8" CMOS
Total pixels	4x 3096 (H) x 2080 (V)
Minimum scene illumination	0.16 lux (color)
S/N ratio	50dB
Maximum resolution	21MP (4x 5.3MP)

LENS	
Focal length	4x 8.0mm, F1.6
Lens type	Fixed lens
Field of view (FoV)	Over 180°

I/O	
Audio in/out and compression	1(1.0Vms, 3K ohm) input/1 output, G.711
Alarm in/out	1 input/1 output

OPERATIONAL	
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
White balance	Auto
Mirror and flip	Yes
Backlight compensation (BLC)	Yes
Privacy zones	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	1000Base-T(1Gbps)
Video compression type	H.264, MJPEG
Resolution	Up to 12,384 (H) x 2080 (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	3072x1728p30 + 640x360p7 with H.264 and MJPEG (up to 16 streaming)
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® 7, Windows® 8, Windows® 10 Browser: IE, Chrome, Firefox
Video management software	DW Spectrum® IPVMS

ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-22°C ~ 50°C)
Operating humidity	Less than 80% (non-condensing)
IP rating	IP66-rated
Other certifications	FCC, CE, ROHS, UL listed

ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3at PoE+ Class 4 (High power PoE injector included)
Power consumption	DC12V: 21.5W PoE IEEE802.3at Class4: 23.2W

MECHANICAL	
Material	Aluminum vandal housing, polycarbonate lens cover
Dimensions	7.55" x 4.25" (192 x 108mm)
Weight	4.4 lbs (2kg)
Warranty	5 year warranty

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