MEGApix PANO
Panoramic View IP Cameras

21MP 180° panoramic vandal IP camera
DWC-PZ21M69TW

NDAA COMPLIANT PRODUCTS

4in ONE
One Installation

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

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
- Relay output
- Web server built-in
- PoE+ high power and DC12V
- UL listed
- ONVIF conformant, profile S
- NDAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

ONVIF

Accessories (Required. Sold separately)

DWC-V1CNMW
Corner mount

DWC-PZCMW
Ceiling mount bracket

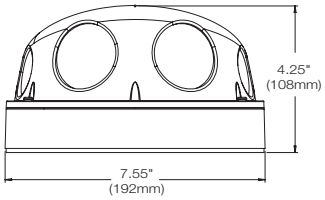
DWC-PZADPW
Tilting adapter for parapet mount

DWC-PMB-WLW
Pole mount

DWC-PZWMW
Wall mount bracket

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

Dimensions
unit: Inch (mm)



Specifications

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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	1(1.0Vms, 3K ohm)/1
Alarm in / out	1/1
Audio compression	G.711
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	Notifications via e-mail 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 12384 (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 + 640x360p with H.264 and MJPEG (up to 16 streaming channels)
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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