MEGAPIX PTZ
Pan, Tilt, Zoom IP Cameras

STAR-LIGHT PLUS

H.265 H.264/MJPEG 30fps

NDAA/TAA COMPLIANT PRODUCT

Dimensions
Unit: Inch (mm)

9.13" (232mm)

4.13" (105mm)

5.9" (150mm)
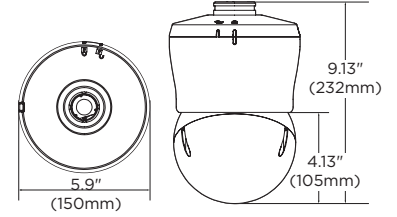
Summary

This MEGApix® 30x PTZ camera is NDAA-compliant and delivers crystal-clear 2.1MP/1080p resolution at real-time 30fps. The camera features 30x optical zoom, Star-Light Plus™ color in near-total darkness technology, true WDR and Smart IR™ for quality video in any lighting condition, simultaneous H.265/H.264/MJPEG codec support. The IP66- and IK10-rated vandal PTZ housing requires a wall mount, ceiling mount or flush mount, sold separately, to complete the camera's installation.

Features

- 2.1MP/1080p 1/3″ image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology.
- High-speed pan, tilt, zoom camera
- PTZ vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and focused image any time
- 30x optical zoom and an additional 16x digital zoom for detailed clarity and no pixel loss at extreme zoom-in
- True Wide Dynamic Range (WDR) for clear images in challenging light
- Simultaneous streaming and multiple codec options for smart bandwidth management
- Smart DNR™ 3D digital noise reduction reduces noise and ghosting for motion in low-light environments.
- Digital Image Stabilizer (DIS)
- Privacy zones cover sensitive areas in the camera's field of view.
- Endless 360° panning lets the camera move to a target using the shortest path possible.
- PTZ presets, patterns and swings for automated camera operation
- Vector drive technology – pan/tilt motion in shortest path
- Two-way audio for direct communication between the monitoring station and the camera's location.
- Alarm sensor input and relay output for access control integration
- Web server built-in for easy camera management from any browser
- High-power PoE and AC24V for single cable simplified installation (PoE injector included)
- NDAA/TAA compliant for federal and government projects
- IP66- and IK10-rated camera housing built to last
- 2 year warranty

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Mounting Accessories (Required. Sold Separately.)

DWC-P230WMW Wall mount bracket	DWC-PMB-WLW Pole mount bracket	DWC-PZPARAM Parapet mount
DWC-P230FMW Flsuh mount	DWC-V1CNMW Corner mount bracket	DWC-P230CMW Ceiling mount bracket

Specifications

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IMAGE	
Image sensor	1/3" 2.55M CMOS
Total pixels	1981(H) X 1288(V)
Minimum scene illumination	0.05 lux (color) 0 lux (B/W)
Test video output	1 CVBS 1.0V p-p (75ohm)
LENS	
Focal length	4.3-129mm, F1.6-F4.7
Lens type	Vari-focal lens with motorized zoom and auto-focus
IR distance	200ft range
Angle of view	65.1°-2.34°
Digital zoom	30x optical zoom
I/O	
Audio input/output	1 input/1 output
Audio compression	G.711
Alarm input/output	1 input/1 output
Event triggers	Motion alarm, network disconnect, temperature anomaly
OPERATIONAL	
Shutter mode	Auto, manual, slow shutter
Shutter speed	1/8 - 1/30,000
Slow shutter speed	x2, x4
Backlight	Yes
De-fog	Yes
Wide dynamic range (WDR)	True WDR, 120dB
Digital image stabilizer (DIS)	Yes
Smart DNR™ 3D digital noise reduction	3D DNR
White balance	Auto
Day and night	Auto, day (color), night (B/W)
Mirror/flip	Yes
Privacy zones	16 programmable privacy masks
Motion detection	4 programmable motion zones
Memory slot	Micro SD / SDHC / SDXC card (not included)
Event buffering	Pre-event: 1seconds - 5 seconds Post-event: 240seconds
Alarm notifications	Notifications via email, FTP server, alarm output activation or SD card recording
PTZ FUNCTION	
Pan range	360° endless
Pan speed	Max 360°/1sec
Tilt range	5-90°
Tilt speed	Max 360°/1sec
Preset	255
Tour	10
Home function	Yes (parking action)
NETWORK	
LAN	RJ45 (10/100Base-T)
Video compression type	H.265, H.264, MJPEG
Resolution	H.265: 2.1MP/1080p, 720p, VGA, D1, CIF H.264: 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 1280x720, 800x600, VGA, 768x432, D1, CIF
Video bitrate	100Kbps - 10Mbps, multi-rate for preview and recording
Bitrate control	Multistreaming CBR/VBR at H.264, H.265 (controllable frame rate and bandwidth)
Frame rate	Up to 30fps at all resolutions
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
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% RH (non-condensing)
IK rating	IK-10 impact-resistant
IP rating	IP66-rated
Other certifications	CE, FCC, RoHS, UL listed, NDAA, TAA
ELECTRICAL	
Power requirement	PoE IEEE 802.3bt class5 (PoE injector included), DC24V, AC24V
Power consumption	DC24V: 40W, 1666mA AC24V: 35W, 1485mA PoE: 42W, 1750mA
MECHANICAL	
Material	Aluminum PTZ, polycarbonate dome
Dimensions	5.9" x 9.13" (150 x 232mm)
Weight	6.17 lbs (2.8 Kg)

Built for Users™

DW®