MEGAPIX.Ai cloudcam™

Dimensions
Unit: Inch (mm)

4.8" (22mm) · 1.37" (35mm) · 4.17" (106mm) · 3.74" (95mm) · 4.92" (125mm)

Summary

The 5MP NDAA/TAA-compliant MEGApix Ai CloudCam is a serverless, all-in-one cloud solution with 1TB onboard storage and edge AI. Preloaded with DW Spectrum, it requires no server hardware. With a built-in microphone and speaker, white light illumination and alarm flash coverage, the camera deterrs, alerts, and records in one device.

Features & Benefits

- 5MP sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology
- Seamless integration and control with DW Spectrum
- Built-in 1TB storage options for up to 90 days of retained video
- Easily to deploy with pre-loaded DW Spectrum for out-of-the-box operation.
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- Active deterrent all-in-one solution with flashing LEDs and built-in microphone and speaker
- Vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and focused image any time
- True Wide Dynamic Range (WDR) for clear images in challenging light
- Simultaneous streaming and multiple codec options for smart bandwidth management
- 90' white light illumination for clear color images with no need for external light.
- Smart DNR 3D digital noise reduction minimizes noise and ghosting in motion, particularly in low-light environments.
- Privacy zones cover sensitive areas in the camera's field of view.
- 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 DC12V for single cable simplified installation
- NDAA/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty
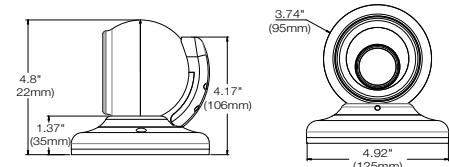
Specifications

IMAGE	
Image sensor	1/2.8" 5.17MP Star-Light Plus sensor
Total pixels	2608(H) X 1984(V)
Active pixels	2592(H) X 1944(V)
Minimum scene illumination	0.03 lux (color), 0 lux (white light)
Color temperature	Warm light, 3300K
LENS	
Focal length	2.7~12mm F1.3
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Field of View	HFoV: 31.5°-89.9°/ VFoV: 23.6°-64.5°
LED distance	90' range white light
Optical zoom	4.4x optical zoom
I/O	
Audio in/out, compression	1 microphone built-in/ 1 speaker built-in, G.711 ulaw
Alarm input/output	1 input/1 output
INTELLIGENT VIDEO ANALYTICS	
Deep learning analytics	Deep Learning object tracking
Analytics filters	Zones and lines, tamper, metadata, intrusion, line crossing, counting, counting lines, appear, disappear, stopped, enter, exit, direction, tailgating, dwell, logical rules
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 and night	Color only
3D Digital Noise Reduction	Smart DNR 3D-DNR
Wide Dynamic Range	True WDR, 120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Mirror and flip	Yes
Alarm notifications	Notifications via email, FTP, alarm out, SD card recording and flashlight
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	H.265, H.264: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps ~ 25Mbps, multi-rate for preview and recording
Bitrate control	Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth)
Streaming capability	Triple Streaming (3rd stream MJPEG only)
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
ONVIF conformance	Yes
Web viewer	OS: Windows, Mac OS, Linux Browser: Microsoft Edge, Google Chrome, Mozilla Firefox, Safari
Video management software	DW Spectrum
DW Spectrum edge license	1 DW Spectrum edge license included
Local server recording	1TB local memory for recording
Max. number of CloudCam cameras in a network/ system	Up to 10 MEGApix Ai CloudCam cameras in a network/system
ENVIRONMENTAL	
Operating temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Operating humidity	10~90% RH, (non-condensing)
IK rating, IP rating	IK10 impact-resistant, IP67-rated
Other certifications	CE, FCC, UL, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3at Class4 (Adapter not included)
Power consumption	12V DC: 12W, 1A, PoE: 15.8W, 329.1mA
MECHANICAL	
Material	Aluminum vandal housing, polycarbonate domes
Dimensions	4.92" x 4.79" (125 x 121.7 mm)
Weight	1.94 lbs (0.88 kg)
Warranty	5 year warranty

Accessories (Optional)

- DWC-PMB-WL-W — Pole mount
- DWC-V1CNMW — Corner mount
- DWC-VAJUNC — Junction box
- DWC-GPLT-W — Converter plate
- DWC-VFHMW — Hanging mount
- DWC-VACM — Ceiling mount
- DWC-VAWM — Wall mount

Built for Users.™

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

REV. 10/25