



Summary

This MEGApiX Ai IP camera provides 4K resolution, placing the power of AI at your fingertips, with object detection and people tracking. This camera features Star-Light Plus color in near-total darkness technology in a weather-resistant bullet housing with junction box built-in and Cold Start at -40°F/-40°C.

Features

- 4K sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology
- AI-based object and people detection, classification and tracking.
- Create up to 40 separate detection zones
- Easy setup with no analytics calibration
- Seamless integration and control with DW Spectrum
- Reduce false alarms with multiple detection zones and logical rules
- Increase your recording storage with smart recording and no false alarms
- Junction box built-in for easy cable adjustment and simplified installation
- 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
- Cold Start -40°F (-40°C), allowing the camera to power up in extremely cold environments
- 110' Smart IR with intelligent camera sync for clear B/W images with no need for external light
- Smart DNR 3D digital noise reduction reduces noise and ghosting for motion in low-light environments
- Privacy zones cover sensitive areas in the camera's field of view
- Two-way audio with a built-in microphone for direct communication between the monitoring station and the camera's location
- Local SD card slot for local recording in case of network loss
- Alarm sensor input and relay output for access control integration
- Web server built-in for easy camera management from any browser
- 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

Accessories (optional)



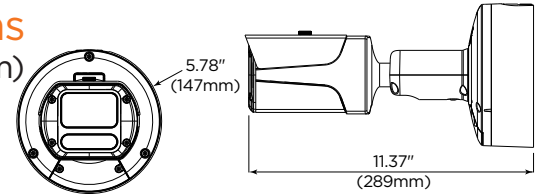
DWC-PMB-WLW
Pole mount bracket



DWC-V1CNMW
Corner mount bracket

Dimensions

Unit: Inch (mm)



Specifications

| | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IMAGE | |
| Image sensor | 4K 1/2.8" Star-Light Plus sensor |
| Total pixels | 3864(H) X 2228(V) |
| Active pixels | 3840(H) x 2160(V) |
| Minimum scene illumination | 0.09 lux (color) / 0 lux (B/W) |
| S/N ratio | 50dB |
| Test monitor video output | Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio |
| LENS | |
| Focal length | 2.7-13.5mm, F1.4 |
| Lens type | Vari-focal p-iris lens with motorized zoom and auto-focus |
| Field of view (HFOV/VFOV) | Horizontal: 33.1°-90.3° / Vertical: 18.9°-49° |
| IR distance | 110ft range |
| Optical zoom / digital zoom | 5x optical zoom |
| I/O | |
| Audio in/out, compression | 1 microphone built-in/1 output, G.711 ulaw |
| Alarm input/output | 1 input/1 output |
| Event trigger | Motion, network loss, temperature anomaly, illegal login, schedule, sensor |
| INTELLIGENT VIDEO ANALYTICS | |
| AI-based video analytics | AI-based object and people detection, classification and tracking Zones and lines, tamper, metadata, intrusion, line crossing, counting, counting lines, appear, disappear, stopped, enter, exit, direction, tailgating, dwell, logical rules |
| Analytics filters | |
| 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 | TDN, Auto, day (color), night (B/W) |
| 3D Digital Noise Reduction | Smart DNR 3D-DNR |
| Wide Dynamic Range (WDR) | True WDR, 120dB |
| White balance | Yes |
| Privacy zones | 16 programmable privacy masks |
| Mirror and flip | Yes |
| Alarm notifications | Notifications via email, FTP, alarm output and SD card recording |
| Memory slot | Micro SD/SDHC/SDXC class 10 card (not included) |
| NETWORK | |
| LAN | RJ45, 1000Base-T (1Gbps) |
| Video compression type | H.265, H.264, MJPEG H.265, H.264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 |
| Resolution | |
| 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 |
| SIP/VoIP Support | SIP VoIP |
| ONVIF conformance | Yes |
| Web viewer | OS: Windows, iOS, Linux Browser: Microsoft Edge, Google Chrome, Mozilla Firefox, Safari |
| Video management software | DW Spectrum |
| ENVIRONMENTAL | |
| Operating temperature | -40°F - 122°F (-40°C - 50°C) |
| Operating humidity | 10-90% RH (non-condensing) |
| IK, IP rating | IK10 impact-resistant, IP67-rated |
| Other certifications | CE, FCC, UL, NDAA, TAA |
| ELECTRICAL | |
| Power requirement | DC12V, PoE IEEE 802.3af Class3 (Adapter is not included) |
| Power consumption | DC: max 13.1W, 1.09A, PoE: max 15.0W, 312.5mA |
| MECHANICAL | |
| Material | Aluminum die-casting bullet housing |
| Dimensions | 11.37" x 5.78" (289 x 147mm) |
| Weight | 4.67 lbs (2.12 kg) |
| Warranty | 5 year warranty |

