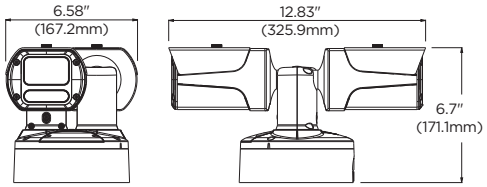
MEGApix Ai™
Next-generation video analytics

# Two bullet IP camera with built-in audio, AI engine and IR on one junction box
# DWC-XDBJ10Mi



## Dimensions
Unit: Inch (mm)




## Summary

This NDAA/TAA-compliant MEGApix Ai two-bullet IP camera, housed in one junction box, delivers two 5MP views, powered by an advanced AI engine on one channel, and two-way audio with a built-in microphone and speaker. Dual, easily adjustable sensor design and an integrated junction box reduce installation time and simplify setup. The camera is built for demanding environments, featuring IP67 and IK10 ratings, and reliable cold-start performance down to 40°F/40 °C.

## Features

- 2x 5MP cameras housed in one junction box for a total of 10MP
- 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 manual 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.
- Dual-sensor bullet camera, two cameras in one installation
- Junction box built-in for easy cable adjustment and simplified installation
- 180° hallway and 90° corner coverage with a single camera installation
- 2x Vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and a 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
- Privacy zones cover sensitive areas in the camera's field of view.
- Two-way audio with built-in microphone and speaker 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

## Specifications

| | |
|---|---|
| **IMAGE** | |
| Image sensor | 1/2.8" 5.17M Star-Light Plus™ sensors (x2) |
| Total pixels | 2608(H) X 1984(V) (x2) |
| Active pixels | 2592(H) X 1944(V) (x2) |
| Minimum scene illumination | 0.04 lux (color), 0 lux (B/W) |
| S/N ratio | 50dB |
| Test monitor video output | Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio |
| **LENS** | |
| Focal length | 2.7-13.5mm, F1.4 (x2) |
| Lens type | Vari-focal p-iris lens with motorized zoom and auto-focus |
| Field of view (HFoV/VFoV) | HFoV: 31.6°-98.3° (x2) / VFoV: 23.5°-70.8° (x2) |
| IR distance | 110ft range |
| Optical zoom | 5x optical zoom |
| **I/O** | |
| Audio input/output | 1 line input (1.0Vms, 3K ohm), 1 microphone built-in (1 selectable at a time)/1 output, 1 speaker built-in |
| Audio compression | G.711 ulaw |
| Alarm input/output | 1 input/1 output |
| **INTELLIGENT VIDEO ANALYTICS (AVAILABLE ON ONE CHANNEL)** | |
| AI-based video analytics | AI-based object and people detection, classification and 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 | Auto, day (color), night (B/W) |
| 3D Digital Noise Reduction | Smart DNR™ 3D-DNR |
| Wide Dynamic Range (WDR) | True WDR, 120dB |
| White balance | Auto |
| 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 (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 (x2)<br>MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 (x2) |
| Frame rate | Up to 30fps (NOTE: When resolution on both videos is 2592x1944 max frame rate is 15fps) |
| Video bitrate | 100Kbps ~ 25Mbps, multi-rate for preview and recording |
| Bitrate control | Multi-streaming CBR/VBR at H.264, 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 OS, Mac OS, Linux OS<br>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, adapter not included |
| Power consumption | 12V DC: max 17.4W, 1.45A, PoE: max 20.6W, 429mA |
| **MECHANICAL** | |
| Material | Aluminum die-casting bullet housing |
| Dimensions | 12.83" x 6.73" (325.9 x 171.1mm) |
| Weight | 7.05 lbs (3.2 kg) |
| Warranty | 5 year warranty |

Built for Users.™

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