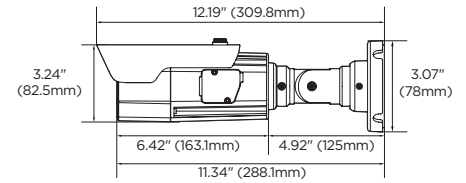


## Dimensions

Unit: Inch (mm)



## Summary

These NDA-compliant MEGApix® IP cameras provide 4K resolution at real-time 30fps with Star-Light Plus™ color in near-total darkness technology for quality video in any lighting conditions and a 2.7-13.5mm vari-focal auto-focus lens. The weather-resistant bullet cameras are IP67-rated and Cold Start at -40° F/-40° C.

## Features

- 4K 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 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.
- 140' 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 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.
- NDA compliant for federal and government projects.
- IP66- and IK9-rated camera housing built to last.
- 5 year warranty

## Accessories (optional)



DWC-BLJUNC-W  
Junction box



DW-POEinjector  
PoE injector



DWC-PMB-WLW  
Pole mount bracket

## Specifications



|                              |  |
|------------------------------|--|
| <b>IMAGE</b>                 |  |
| Image sensor                 | 4K 1/2.8" CMOS sensor  |
| Total pixels                 | 3952 (H) x 2320 (V)  |
| Active pixels                | 3840 (H) X 2160 (V)  |
| Minimum scene illumination   | 0.09 lux (color)/ 0 lux (B/W)  |
| S/N ratio                    | 50dB   |
| Video output                 | Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio   |
| <b>LENS</b>                  |  |
| 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)    | 33.1°-90.3°/ 18.9°-49°   |
| IR distance                  | 140ft range  |
| Optical zoom                 | x5 optical zoom  |
| <b>I/O</b>                   |  |
| Audio in/out, compression    | 1 input/1 output, G.711  |
| Alarm in/out                 | 1 input/1 output   |
| <b>OPERATIONAL</b>           |  |
| Intelligent Video Analytics  | Intrusion, line crossing, counting line, loitering, enter, exit, tamper, object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules.*<br>NOTE: object removed, tailgating, direction, stopped, appear, disappear, object left, and logical rules are available via IVA+ plugin update. For existing cameras, contact your DW sales representative for a complimentary update. |
| 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                | Yes  |
| Privacy zones                | 16 programmable privacy masks  |
| Backlight compensation (BLC) | Yes  |
| 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)  |
| <b>NETWORK</b>               |  |
| LAN                          | 1000Base-T (1Gbps)   |
| Video compression type       | H.265, H.264, MJPEG  |
| Resolution                   | H.265, H.264: QFHD, 2.1MP/1080p, 720p, VGA, D1, CIF<br>MJPEG: 2.1MP/1080p, 720p, 800x600, VGA, 768x432, D1, CIF  |
| 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.265 (controllable frame rate and bandwidth)   |
| Streaming capability         | Dual-stream at different rates and resolutions   |
| 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® 7, Windows® 8, Windows® 10<br>Browser: IE, Chrome, Firefox  |
| Video management software    | DW Spectrum®   |
| <b>ENVIRONMENTAL</b>         |  |
| 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         | UL listed, CE, FCC, RoHS   |
| <b>ELECTRICAL</b>            |  |
| Power requirement            | DC12V, PoE (Adapter not included)  |
| Power consumption            | DC12V: 10.2W, PoE: 16W   |
| <b>MECHANICAL</b>            |  |
| Material                     | Aluminum bullet housing  |
| Dimensions                   | 12.2" x 3.81" (310 x 97mm)   |
| Weight                       | 2.64 lbs (1.2 kg)  |
| Warranty                     | 5 year warranty  |

