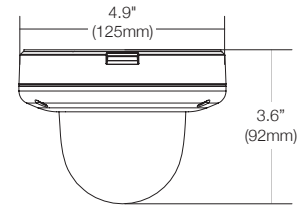


## Dimensions

Unit: Inch (mm)



## Summary

This NDA-compliant MEGApix® IP camera provides 2.1MP/1080p resolution at real-time 30fps and includes a 2.8-12mm vari-focal auto-focus lens with motorized zoom. The camera is powered by Star-Light Plus™ color in near-total darkness technology for quality video in any lighting conditions. The IP66-rated, IK-10 impact resistant vandal housing features CleanView™ self-cleaning dome treatment.

## Features

- 2.1MP/1080P 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
- 100' Smart IR™ with intelligent camera sync for clear B/W images with no need for external light
- CleanView™ hydrophobic dome coating repels water, dust and grease.
- 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/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

## Accessories (Optional)



DWC-V1CNMW  
Corner mount



DWC-VFCMW  
Ceiling mount bracket



DWC-VFJUNCW  
Junction box



DWC-VFWMW  
Wall mount bracket

## Specifications



|                              |  |
|------------------------------|--|
| <b>IMAGE</b>                 |  |
| Image sensor                 | 2.1MP/1080p 1/2.8" CMOS  |
| Total pixels                 | 1945 (H) X 1109 (V)  |
| Minimum scene illumination   | 0.02 lux (color)<br>0.0 lux (B/W)  |
| Video output                 | Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio  |
| <b>LENS</b>                  |  |
| Focal length                 | 2.8-12mm, F1.4   |
| Lens type                    | Vari-focal p-iris lens with motorized-zoom and auto-focus  |
| HFOV / VFOF                  | 96° - 35° / 51° - 20°  |
| IR distance                  | 100ft range  |
| Optical zoom                 | x4.2 optical zoom  |
| <b>I/O</b>                   |  |
| Audio in/out and 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  |
| Privacy zone                 | 16 programmable privacy masks  |
| Mirror and flip              | Yes  |
| Alarm notifications          | E-mail notifications, FTP, alarm output and SD card recording  |
| Memory slot                  | Micro SD / SDHC / SDXC (card not included)   |
| <b>NETWORK</b>               |  |
| LAN                          | 10/100 Base-T  |
| Video compression type       | H.265, H.264, MJPEG  |
| Resolution                   | H.265, H.264: 2.1MP/1080p, 720p, VGA, D1, CIF<br>MJPEG: 1280x720, 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.264, H.265 (controllable frame rate and bandwidth)  |
| 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®<br>Browser: IE®, Google Chrome®, Mozilla Firefox®, Safari®<br>NOTE: Chrome is recommended for IVA configuration  |
| Video management software    | DW Spectrum®   |
| <b>ENVIRONMENTAL</b>         |  |
| Operating temperature        | -4°F - 122°F (-20°C - 50°C)  |
| Operating humidity           | 10-90% (non-condensing)  |
| IP and IK rating             | IP66-rated, IK10 impact-resistant  |
| Other certifications         | UL listed, CE, FCC, RoHS, NDA, TAA   |
| <b>ELECTRICAL</b>            |  |
| Power requirement            | DC 12V, PoE IEEE 802.3af Class 3. (Adapter not included)   |
| Power consumption            | DC12V: max 6.5W, PoE: max 8.5W   |
| <b>MECHANICAL</b>            |  |
| Material                     | Aluminum vandal housing, polycarbonate dome  |
| Dimensions                   | 4.9" x 3.6" (125 x 92 mm)  |
| Weight                       | 1.87 lb (0.85kg)   |
| Warranty                     | 5 year warranty  |

