



## Summary

This MEGAPIX® IVA+™ IP camera is your gateway to powerful video analytics features. It is NDAA/TAA compliant and provides 5MP resolution at real-time 30fps. The MEGAPIX IVA+ cameras have a powerful engine to detect and classify people, vehicles and objects in real-time with support for logical rules. This camera includes 4.0, 6.0 and 8.0mm fixed lens options, simultaneous H.265/H.264/MJPEG codec support and Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition, all in an IP66-rated, IK-10 impact resistant ultra low-profile vandal dome housing. All MEGAPIX® cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

## Features

- 5MP 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- Intelligent Video Analytics (IVA) with extended features (IVA+)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- 4.0mm fixed lens (DWC-MPF5Wi4TW)
- 6.0mm fixed lens (DWC-MPF5Wi6TW)
- 8.0mm fixed lens (DWC-MPF5Wi8TW)
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 50' Smart IR™ with intelligent camera sync
- Ultra low-profile vandal dome camera
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- PoE class 2 and DC12V
- UL listed
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 10-rated impact-resistant
- 5 year warranty

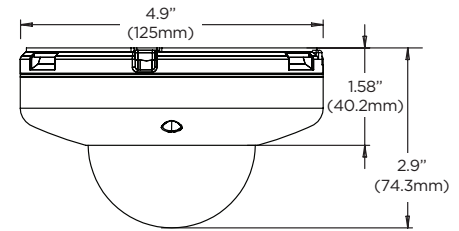


## Accessories (optional)



## Dimensions

Unit: Inch (mm)



## Specifications



| IMAGE                                 |                                                                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image sensor                          | 5MP 1/2.8" CMOS                                                                                                                                                                          |
| Total pixels                          | 2592 (H) X 1944 (V)                                                                                                                                                                      |
| Minimum scene illumination            | 0.16 lux (color)<br>0.0 lux (B/W)                                                                                                                                                        |
| Video output                          | Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio                                                                                                                                |
| LENS                                  |                                                                                                                                                                                          |
| Focal length                          | 4.0mm, F2.0 (DWC-MPF5Wi4TW)<br>6.0mm, F2.0 (DWC-MPF5Wi6TW)<br>8.0mm, F2.0 (DWC-MPF5Wi8TW)                                                                                                |
| Lens type                             | Fixed lens                                                                                                                                                                               |
| HFOV / VFOV                           | 82.3° / 43° (DWC-MPF5Wi4TW)<br>51.9° / 29° (DWC-MPF5Wi6TW)<br>37.8° / 22° (DWC-MPF5Wi8TW)                                                                                                |
| IR distance                           | 50ft range                                                                                                                                                                               |
| I/O                                   |                                                                                                                                                                                          |
| Audio in/out                          | 1/1                                                                                                                                                                                      |
| Audio compression                     | G.711                                                                                                                                                                                    |
| Alarm in/out                          | 1/1                                                                                                                                                                                      |
| OPERATIONAL                           |                                                                                                                                                                                          |
| Intelligent Video Analytics           | IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper<br>IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left     |
| 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)                                                                                                                                                           |
| Smart DNR™ 3D digital noise reduction | 3D-DNR                                                                                                                                                                                   |
| Wide Dynamic Range (WDR) dB           | True WDR, 120dB                                                                                                                                                                          |
| Privacy zone                          | 16 programmable privacy masks                                                                                                                                                            |
| Mirror and flip                       | Yes                                                                                                                                                                                      |
| Alarm notifications                   | Notifications via e-mail notifications, FTP, alarm output and SD card recording                                                                                                          |
| Memory slot                           | Micro SD / SDHC / SDXC (card not included)                                                                                                                                               |
| NETWORK                               |                                                                                                                                                                                          |
| LAN                                   | RJ45 (10/100Base-T)                                                                                                                                                                      |
| Video compression type                | H.265, H.264, MJPEG                                                                                                                                                                      |
| Resolution                            | H.265: 2592x1944, 2304x1296, 2.1MP/1080p, 720p, VGA, D1, CIF<br>H.264: 2592x1944, 2304x1296, 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.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 browser is recommended for IVA configuration                                    |
| Video management software             | DW Spectrum® IPVMS                                                                                                                                                                       |
| ENVIRONMENTAL                         |                                                                                                                                                                                          |
| Operating temperature                 | -4°F - 122°F (-20°C - 50°C)                                                                                                                                                              |
| Operating humidity                    | 10-90% (non-condensing)                                                                                                                                                                  |
| IK and IP rating                      | IK10 impact-resistant, IP66-rated                                                                                                                                                        |
| Other certifications                  | UL listed, CE, FCC, RoHS                                                                                                                                                                 |
| ELECTRICAL                            |                                                                                                                                                                                          |
| Power requirement                     | DC 12V, PoE (IEEE 802.3af Class 3). (Adapter not included)                                                                                                                               |
| Power consumption                     | DC12V: max 5.9W<br>PoE: max 7.2W                                                                                                                                                         |
| MECHANICAL                            |                                                                                                                                                                                          |
| Material                              | Aluminum vandal housing, polycarbonate dome                                                                                                                                              |
| Dimensions                            | 4.9" x 2.9" (125 x 74.3 mm)                                                                                                                                                              |
| Weight                                | 0.92 lbs (0.42kg)                                                                                                                                                                        |
| Warranty                              | 5 year warranty                                                                                                                                                                          |