# MEGAPIX IVA™
IP cameras with Intelligent Video Analytics

**IVA Inside**

**STAR-LIGHT PLUS™**
Color in Darkness Technology

**2.8mm Fixed Lens**

H.265 H.264/MJPEG • 30fps

NDAA COMPLIANT PRODUCTS

| | | | | | |
|---|---|---|---|---|---|
| **5MP** Resolution | Intelligent Video Analytics | Star-Light Plus™ | 2.8mm Fixed Lens | True WDR | **5 YEAR** Warranty |

## Dimensions
Unit: Inch (mm)

3.74" (95mm)
4.92" (125mm)
4.8" (22mm)
1.37" (35mm)
4.17" (106mm)

## Summary

This MEGApix® IVA™ IP camera is your gateway to powerful video analytics features. It is NDAA compliant and provides 5MP resolution at real-time 30fps. The MEGApix IVA cameras have a powerful engine to detect and classify people and vehicles in real-time. IVA+ license upgrade offers advanced Video Content Analysis detection capabilities. This camera features Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition, simultaneous H.265/H.264/MJPEG codec support and a 2.8mm fixed lens. The weather-resistant vandal ball cameras are IP67-rated and offer true 90° tilting and 360° rotation, eliminate IR reflections and offer easy angle adjustment to pan, rotate and tilt the camera for optimal image quality. 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)
- Extended Intelligent Video Analytics (IVA+ license required)
- Seamless integration and control of IVA rules with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- 2.8mm fixed lens
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 100′ Smart IR™ with intelligent camera sync
- Vandal ball housing reduces IR reflection with true 90° tilting and 360° rotation
- 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
- PoE class 3 and DC12V
- UL listed
- NDAA compliant
- IP67 dust-tight and waterproof to 3 feet
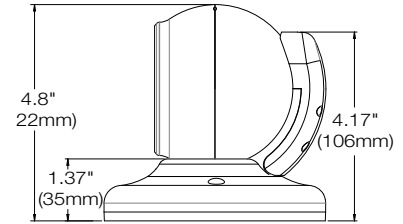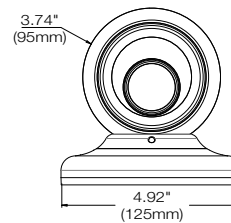- IK 10-rated impact-resistant
- 5 year warranty

**ONVIF**

## Accessories (Optional)

| DWC-VAWM | DWC-VAJUNC | DWC-VACM |
|---|---|---|
| Wall mount bracket | Junction box | Ceiling mount bracket |

## Specifications

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| IMAGE | |
|---|---|
| Image sensor | 5MP 1/2.8″ CMOS |
| Total pixels | 2592 (H) X 1944 (V) |
| Minimum scene illumination | 0.13 lux (color) |
| | 0.0 lux (B/W) |
| **LENS** | |
| Focal length | 2.8mm, F1.8 |
| Lens type | Fixed lens |
| HFOV / VFOV | 103° / 78° |
| IR distance | 100ft range |
| **OPERATIONAL** | |
| Intelligent Video Analytics | IVA license: intrusion, line crossing, counting line, loitering, enter, exit, tamper |
| | 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) | True WDR, 120dB |
| Privacy zone | 16 programmable privacy masks |
| Backlight compensation (BLC) | Yes |
| Mirror and flip | Yes |
| Alarm notifications | Notifications via e-mail and FTP server recording |
| **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 H.264: 2592x1944, 2304x1296, 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 2.1MP/1080p, 720p, 800x600, VGA, 768x432, D1, CIF |
| Frame rate | Up to 30fps at all resolutions |
| Video bitrate | H.265 / H.264: 32Kbps ~ 14Mbps MJPEG: 1Mbps ~ 40Mbps |
| Bitrate control | H.265 dual-stream or simultaneous H.265 / H.264 / MJPEG |
| 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® |
| | Browser: IE®, Google Chrome®, Mozilla Firefox®, Safari® 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) |
| IP rating | IP67-rated |
| IK rating | IK10 impact-resistant |
| Other certifications | UL listed, CE, FCC, RoHS |
| **ELECTRICAL** | |
| Power requirement | DC 12V, PoE IEEE 802.3af Class3. (Adapter not included) |
| Power consumption | DC12V: max 6.5W PoE: max 7.8W |
| **MECHANICAL** | |
| Material | Aluminum vandal ball housing |
| Dimensions | 4.92″ x 4.8″ (125 x 122 mm) |
| Weight | 1.76 lbs (0.8 kg) |
| Warranty | 5 year warranty |

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**DW DIGITAL WATCHDOG®**