



Summary

This MEGApiX® IVA+™ IP camera is your gateway to powerful video analytics features. It is NDAA compliant and provides 4K 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 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 IP67-rated, IK-10 impact-resistant vandal housing features CleanView™ self-cleaning dome treatment. All MEGApiX cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

Features

- 4K 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
- 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
- CleanView™ hydrophobic dome coating repels water, dust and grease
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- ONVIF conformant, profile S
- NDAA compliant
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty



Accessories (Optional)



DWC-VFWMW
Wall mount bracket



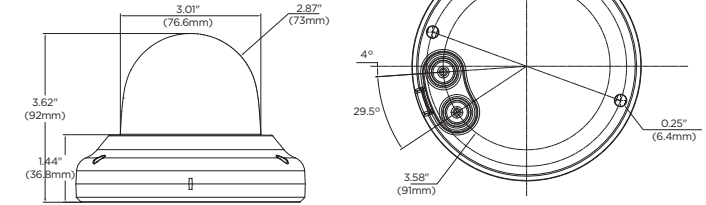
DWC-VFJUNCW
Junction box



DWC-VFCMW
Ceiling mount bracket

Dimensions

Unit: Inch (mm)



Specifications

| IMAGE | |
|---------------------------------------|---|
| 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 | 0.18 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 |
| LENS | |
| Focal length | 2.8mm, F2.0 |
| Lens type | Fixed lens |
| Horizontal Field of view (HFOV) | 105.5° |
| Vertical Field of view (VFOV) | 56.3° |
| IR distance | 100ft 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 IVA+ license: object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules |
| Shutter mode | Auto, manual, anti-flicker, slow shutter |
| Shutter speed | 1/15 - 1/32000 |
| Slow shutter | 1/21/3/1/5/1/6/1/7.5, 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 |
| Wide Dynamic Range (WDR) dB | 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) |
| NETWORK | |
| LAN | 1000Base-T (1Gbps) |
| Video compression type | H.265, H.264, MJPEG |
| Resolution | H.265: QFHD, 21MP/1080p, 720p, VGA, D1, CIF H.264: QFHD, 21MP/1080p, 720p, VGA, D1, CIF MJPEG: 21MP/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 Browser: IE, Chrome, Firefox |
| Video management software | DW Spectrum® IPVMS |
| ENVIRONMENTAL | |
| Operating temperature | -4°F - 122°F (-20°C - 50°C) |
| Operating humidity | 10-90% RH, (non-condensing) |
| IK rating | IK10 impact-resistant |
| IP rating | IP67-rated |
| Other certifications | CE, FCC, RoHS |
| ELECTRICAL | |
| Power requirement | DC12V, PoE IEEE 802.3af Class 3 (Adapter not included) |
| Power consumption | DC12V: 10W PoE: 13W |
| MECHANICAL | |
| Material | Aluminum vandal housing, polycarbonate dome |
| Dimensions | 4.92" x 3.62" (125 x 92mm) |
| Weight | 1.14 lbs (0.52 kg) |
| Warranty | 5 year warranty |