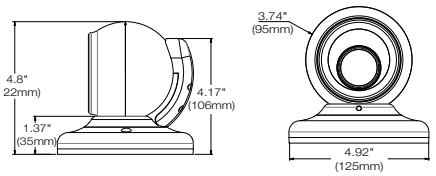
MEGApix® Ai CaaS™
Camera as a System with Next-generation Video Analytics

# 5MP turret IP edge camera with Ai, white light and flash
# DWC-XSTD05MFC1

STAR-LIGHT PLUS
Ai INSIDE
ALL in 1 Camera as a System
H.265 H.264/MJPG
30fps
NDAA/TAA COMPLIANT PRODUCT

## Dimensions
Unit: Inch (mm)




## Summary

This NDAA/TAA-compliant MEGApix® Ai CaaS™ all-in-one IP camera provides real-time 30fps 5MP resolution with edge Ai and DW Spectrum® IPVMS server installed and licensed on the camera. No additional server hardware is required. The camera's built-in microphone and speaker, white light and flash LEDs offer high-quality color images and deterrence.

## Features & Benefits

- 5MP sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- AI Deep Learning object detection
- Create up to 40 separate detection zones.
- Easy setup with no analytics calibration
- Seamless integration and control with DW Spectrum® IPVMS
- Reduce false alarms with multiple detection zones and logic rules.
- Increase your recording storage with smart recording and no false alarms.
- Built-in 1TB storage options for up to 90 days of retained video*
- Easily to deploy with pre-loaded DW Spectrum IPVMS for out-of-the-box operation.
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- 90' white light illumination and red/blue flash LEDs for video, illumination and deterrence in a single camera installation
- 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
- 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.
- Built-in microphone and speaker for deterrance
- Alarm sensor input and relay output for access control integration
- Web server built-in for easy camera management from any browser
- High-power PoE and DC12V for single cable simplified installation
- NDAA/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

## Accessories (Optional)

DWC-PMB-WL-W
Pole mount

DWC-V1CNMW
Corner mount

DWC-VACM
Ceiling mount bracket

DWC-VAJUNC
Junction box

DWC-VAWM
Wall mount bracket

## Specifications

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| | |
|---|---|
| **IMAGE** | |
| Image sensor | 1/2.8" 5.17MP Star-Light Plus™ sensor |
| Total pixels | 2608(H) X 1984(V) |
| Active pixels | 2592(H) X 1944(V) |
| Minimum scene illumination | 0.03 lux (color)<br>0 lux (white light) |
| Color temperature | Warm light, 3300K |
| S/N ratio | 50dB |
| **LENS** | |
| Focal length | 2.7-12mm F1.3 |
| Lens type | Vari-focal p-iris lens with motorized zoom and auto-focus |
| Horizontal Field of view (HFoV) | 31.5°-89.9° |
| Vertical Field of view (VFoV) | 23.6°-64.5° |
| LED distance | 90' range white light |
| Optical zoom / digital zoom | 4.4x optical zoom |
| **I/O** | |
| Audio input/output | 1 microphone built-in/ 1 speaker built-in |
| Audio compression | G.711 ulaw |
| Alarm input/output | 1 input/1 output |
| Event trigger | Motion alarm, network loss, temperature anomaly, illegal login, schedule, sensor detection |
| **INTELLIGENT VIDEO ANALYTICS** | |
| Deep learning analytics | Deep Learning object tracking |
| Analytics filters | Zones and lines, tamper, metadata, intrusion, line crossing, counting, counting lines, appear, disappear, stopped, enter, exit, direction, tailgating, dwell, logical rules |
| **OPERATIONAL** | |
| 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 | Color only |
| 3D Digital Noise Reduction | Smart DNR™ 3D-DNR |
| Wide Dynamic Range (WDR) | True WDR |
| Wide Dynamic Range (WDR) dB | 120dB |
| White balance | Yes |
| Privacy zones | 16 programmable privacy masks |
| Mirror and flip | Yes |
| Alarm notifications | Notifications via email, FTP, alarm output, SD card recording and flashlight |
| Memory slot | Micro SD/SDHC/SDXC class 10 card (not included) |
| **NETWORK** | |
| LAN | RJ45 (10/100Base-T) |
| Video compression type | H.265, H.264, MJPEG |
| Resolution | H.265: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240<br>H.264: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240<br>MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 |
| Frame rate | Up to 30fps at all resolutions |
| Video bitrate | 100Kbps - 25Mbps, multi-rate for preview and recording |
| Bitrate control | Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) |
| Streaming capability | Triple Streaming (3rd stream MJPEG only) |
| 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®, Mac® OS, Linux®<br>Browser: Microsoft Edge®, Google Chrome®, Mozilla Firefox®, Safari® |
| Video management software | DW Spectrum® IPVMS |
| Number of DW Spectrum® CaaS™ licenses included | 1 DW Spectrum® CaaS™ license included |
| Local server recording | 1TB local memory for recording |
| Max. number of CaaS™ cameras in the same network/system | Up to 10 MEGApix® CaaS™ cameras in the same network/system |
| **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, UL, NDAA, TAA |
| **ELECTRICAL** | |
| Power requirement | DC12V, PoE IEEE 802.3at Class4 (Adapter not included) |
| Power consumption | 12V DC: 12W, 1A<br>PoE: 15.8W, 329.1mA |
| **MECHANICAL** | |
| Material | Aluminum vandal housing, polycarbonate domes |
| Dimensions | 4.92" x 4.79" (125 x 121.7 mm) |
| Weight | 1.94 lbs (0.88 kg) |
| Warranty | 5 year warranty |

Built for Users.™

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