MEGApix® CaaS™
Camera as a System

ALL in 1
Camera as a System

DW spectrum inside

VARI-FOCAL LENS
with MOTORIZED ZOOM & AUTO FOCUS

-40° Cold Start

NDAA COMPLIANT PRODUCTS

4MP Resolution	DW spectrum All-in-one cameras	No Server Required	**30x** Up to 30 Cameras	2.8–12mm Auto Focus Lens	**5 YEAR** Warranty	

Summary

MEGApix® CaaS™ all-in-one series of IP cameras combine the cameras with the ease and power of DW Spectrum® IPVMS and on-board storage options at 256GB, 512GB or 1TB provide up to 60 days of retained video. DW Spectrum IPVMS server is pre-installed and licensed. No additional server hardware is required.

The 4MP bullet camera offers a vari-focal p-iris lens with motorized zoom, in an IP66-rated bullet enclosure and will Cold Start at -40° F/-40° C. Combine the CaaS™ solution with the Blackjack® NAS device for long-term storage needs.

Features

- All-in-one cameras, no server required
- 4MP 1/3" image sensor at real-time 30fps
- 2.8-12mm vari-focal p-iris lens with motorized zoom and auto-focus
- Built-in 256GB, 512GB or 1TB storage for up to 60 days retained video*
- Easy 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
- Connect up to 30 MEGApix CaaS edge cameras
- True Wide Dynamic Range (WDR)
- Dual recording option with Blackjack NAS appliance
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Cold Start -40°F (-40°C)
- 120' Smart IR™ with intelligent camera sync
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- Waterproof cabling
- UL listed
- ONVIF conformant, profile S
- NDAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

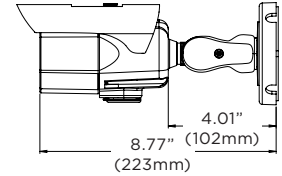**ONVIF**

Accessories (Optional)

DWC-BLJUNC
Junction box

DWC-PMB-WLW
Pole mount bracket

Dimensions
unit: inch (mm)

* Dimensions based on the position of the sun shield cover

4.01" (102mm)
8.77" (223mm)

Specifications
Designed and engineered in U.S.A and Korea

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IMAGE	
Image sensor	4MP 1/3" CMOS
Total pixels	2688 (H) x 1520 (V)
Minimum scene illumination	0.2 lux (color)
	0.0 lux (B/W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
Resolution	4MP (2560 x 1440)
LENS	
Focal length	2.8-12mm, F1.4
Lens type	Motorized-zoom auto-focus p-iris lens
Field of view (FoV)	87° - 32°
IR distance	120ft range
Optical zoom	x4.2
I/O	
Audio in/out	1/1
Audio compression	G.711
Alarm in/out	1/1
OPERATIONAL	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/15-1/32000
Slow shutter	1-1/5,1/7.5, 1/10
Auto gain control	Auto
Day / night	Auto, day (color), night (B/W)
Smart DNR™ 3D digital noise reduction	0-11
Wide dynamic range (WDR)	True WDR, 120dB
Privacy zone	16 programmable privacy masks
Alarm notifications	Email, FTP server or alarm output activation
NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.264, MJPEG
Resolution	H.264: 1440p/1080p/720p/VGA/D1/CIF 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 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4
Protocol	Zero config (Auto IP), ONVIF, TCP/IP, UDP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3 (MIB-2)
Security	HTTPS (TLS), IP filtering, 802.1x, digest authentication (ID/PW)
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux® Browser: Internet Explorer®, Google Chrome®, Mozilla Firefox®, Safari®
Video management software	DW Spectrum IPVMS
DW Spectrum CaaS license	1 DW Spectrum CaaS license included
Local server recording	DWC-MB44WiAC1T: 1TB local memory for recording DWC-MB44WiAC5: 512GB local memory for recording DWC-MB44WiAC2: 256GB local memory for recording
Max. cameras in one network/system	Up to 30 MEGApix CaaS cameras in the same network/system
ENVIRONMENTAL	
Operating temperature	-40°F - 122°F (-40°C - 50°C)
Operating humidity	10-90% RH (non-condensing)
IP rating	IP66-rated
Other certifications	CE, FCC, RoHS ,UL listed
ELECTRICAL	
Power requirement	DC12V, PoE (IEEE 802.3af class 3). Adaptor not Included.
Power consumption	DC12V: Max 11W PoE: Max 12.9W
MECHANICAL	
Material	Aluminum bullet housing
Dimensions	8.77" x 3.07" (223 x 78mm)
Weight	1.98 lbs (0.9kg)
Warranty	5 year warranty

NOTE:
1. External ONVIF devices cannot be added
2. IVA/IVA+ is not available on this model
3. Plugins from external devices cannot be added

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