MEGApix®
IP Cameras

4MP bullet IP camera
DWC-MB44WiA

-40° ™ Cold Start

4 Megapixel | Vari-Focal Motorized Zoom P-Iris Lens | True WDR | Smart IR™ | IP66 Rated | **5** YEAR Warranty

Dimensions
unit: Inch (mm)

* Dimensions based on the position of the sun shield cover

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

Summary

These MEGApix® IP cameras deliver crystal-clear images at 4MP resolution at real-time 30fps. Features include Smart IR™, Smart DNR™ and true WDR for quality video in challenging lighting environments. The weather resistant housing is easy to install and will cold start at -40° F/-40° C.

Features

- 4MP 1/3" image sensor at real-time 30fps
- 2.8~12mm motorized zoom auto-focus p-iris lens
- True Wide Dynamic Range (WDR)
- 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
- 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
- IP66 environmental-rated dust-tight and water-resistant
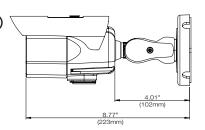- 5 year warranty

ONVIF

Accessories (Optional)

DWC-BLJUNC
Junction box

DWC-PMB-BU
Pole mount bracket

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
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 off, WDR2x, WDR3x
Wide dynamic range (WDR) dB	120dB
Privacy zone	16 programmable privacy masks
Alarm notifications	Notifications via e-mail, FTP server, alarm output activation or SD card recording
Memory slot	Micro SD / SDHC / SDXC (card not included)
NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.265, 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(SSL), 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
ENVIRONMENTAL	
Operating temperature	-40°F ~ 122°F (-40°C ~ 50°C)
Operating humidity	10~90% RH (non-condensing)
IP rating	IP66 certified
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)

DW®
Complete Surveillance Solutions™

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