



Summary

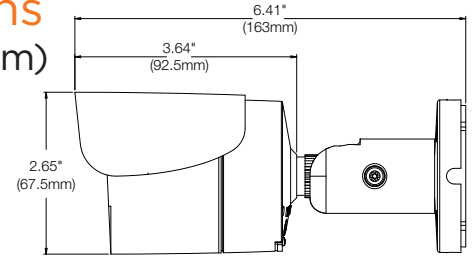
MEGApix® IP cameras deliver crystal-clear 2.1MP/1080p resolution images at real-time 30fps. Features include Smart IR™, true WDR and Smart DNR™ 3D digital noise reduction for quality video in challenging lighting environments. PoE simplifies installation.

Features

- 2.1MP/1080p 1/2.7" image sensor at real-time 30fps
- DWC-MB721M4TIR: 4.0mm fixed lens
- DWC-MB721M8TIR: 8.0mm fixed lens
- True Wide Dynamic Range (WDR)
- Dual codecs (H.264, MJPEG) with simultaneous streaming
- 60' Smart IR™ with intelligent camera sync
- 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
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Web server built-in
- PoE class 2 and DC12V
- ONVIF conformant, profile S
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

Dimensions

unit: Inch (mm)



Specifications



Designed and engineered in U.S.A and Korea

IMAGE	
Image sensor	2.1MP/1080p 1/2.7" CMOS
Total pixels	1928 (H) x 1088 (V)
Minimum scene illumination	0.41 lux (color) 0.0 lux (B/W)
LENS	
Focal length	DWC-MB721M4TIR: 4.0mm, F2.0 DWC-MB721M8TIR: 8.0mm, F2.0
Lens type	Fixed lens
Field of view (FoV)	DWC-MB721M4TIR: 88° DWC-MB721M8TIR: 42°
IR distance	60ft range
OPERATIONAL	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/30 - 1/8000
Slow shutter	1-1/5, 1/7.5, 1/15
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 on, off
Wide dynamic range (WDR) dB	120dB
Privacy zone	16 programmable privacy masks
Backlight Compensation (BLC)	On / off / HSBL
Mirror and flip	Yes
Alarm notifications	Notifications via e-mail, FTP server or SD card recording
Memory slot	Micro SD / SDHC / SDXC up to 128GB (card not included)
NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.264, MJPEG
Resolution	H.264: 1080p/720p/VGA/D1/CIF MJPEG: 1280 x 720/800 x 600/VGA/768 x 432/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	ONVIF, TCP/IP, UDP, autoIP, 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	14°F - 122°F (-10°C - 50°C)
Operating humidity	Less than 90% (non-condensing)
IP rating	IP66 certified
Other certifications	CE, FCC, RoHS, UL listed
ELECTRICAL	
Power requirement	DC 12V, PoE (IEEE 802.3af Class 3). (adaptor not included)
Power consumption	DC12V: max 5.6W PoE: max 7.3W
MECHANICAL	
Material	Aluminum bullet housing
Dimensions	6.41" x 2.65" (163 x 67.5 mm)
Weight	1.1 lbs (0.5kg)