

180 DEGREE IP CAMERA

IP180BT8MLLAM



Features

- Full Color at Night (Low Light Camera)
- 4K 8 Megapixel Resolution
- 180° Field of View
- 5120 x 1440 @ 20fps
- (2) 4mm Lens
- H.265+/H.265/H.264+/H.264 Compression
- True WDR 120dB
- Up to 98ft White Light Visible at Night
- Smart Features
 - Line Crossing
 - Intrusion Detection
 - Region Intrusion Detection
 - Region Exit Detection
- Specific Target Detections
 - Human and Vehicle Filter
- Micro SD slot, up to 256GB
- Outdoor Rated - IP67
- Microphone for Audio Recording
- Speaker
 - Two-Way Audio
 - Sirens set off by alarm
 - Audible warnings
- Power by PoE or DC12V
- Alarm I/O's

Standard IR Camera



Color in Low Light



Model Number	IP180BT8MLLAM
Image Sensor	2 × 1/1.8" Progressive Scan CMOS
Min. illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter time	1/3s ~ 1/100,000s
Lens	Fixed focal lens, Dual lens: 4 mm
Angle adjustment	Pan: -30° to 30°, tilt: -75° to 75°
Depth of Field	3.6 m to ∞
Focal Length & FOV	Horizontal FOV: 180° ± 10°
	Vertical FOV: 44°
DORI	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m
Supplement Light Type	White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
Main Stream	When WDR is On:
	60 Hz: 15 fps (5120 × 1440)
	When WDR is Off:
	60 Hz: 20 fps (5120 × 1440)
Sub-Stream	When WDR is On:
	60 Hz: 15 fps (1920 × 536, 960 × 272)
	When WDR is Off:
	60 Hz: 20 fps (1920 × 536, 960 × 272)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264
	Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region(s) for main stream
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Type	Mono Sound
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP & MORE
Simultaneous Live View	Up to 6 Channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Max. image resolution	5120 × 1440
User/Host	Up to 32 users
	3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS & MORE
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), NVR,
	Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Image Parameter Switch	Yes
Image Settings	saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser

Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC/TF card, up to 256 GB
Built-in Microphone	Yes
Built-in Speaker	Max. power consumption: 1.2 W, max
Audio	1 input (line in), terminal block
	1 output (line out), terminal block
Alarm	1 input, 1 output (max. 24 VDC, 1 A)
Reset Key	Yes
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), alarm input and output, flashing alarm light output, audible alarm output, exception
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning, white light flashing
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle))
Material	Base: metal, cover: metal
Dimension	Ø155 mm × 155.3 mm (Ø6.1" × 6.1")
Package Dimension	230 mm × 230 mm × 230 mm (9" × 9" × 9")
Power consumption	Max, 10.5W
Weight	Approx. 1110 g (2.4 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Anti-flicker, heartbeat, password reset via email, password protection, one-key reset
Flashing Light	Yes
EMC	FCC: 47 CFR Part 15, Subpart B,
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014,
	RCM: AS/NZS CISPR 32: 2015,
	IC: ICES-003: Issue 7
Safety	UL: UL 62368-1,
	CB: IEC 62368-1: 2014+A11,
	CE-LVD: EN 62368-1: 2014/A11: 2017
Protection	IP67: IEC 60529-2013
Electrical Box	JNBX5
Wall Mount	MTW5
Pendant Mount	MTPD4
Pole and Corner	P:IPPOLEMT, C:CRNMT

Design and/or spec improvements may be made to improve the quality of the camera by the manufacturer at any point.