



IPC-WL46A



- 4MP 1/3" CMOS image sensor, low illuminance & high definition image.
- Outputs max. 4MP (2560 x 1440@25-30fps)
- H.265 codec, high compression rate & ultra-low rate.
- Smart H.264+, H.265+, flexible coding, applicable to various bandwidth & storage environments.
- Built-in Mic & Speaker for real-time communication.
- Active alarm with built-in 110dB Siren.
- The built-in dual floodlights can switch between warm & cool color temperature & have 4 floodlights modes.
- Detects humans, vehicles & animals to reduce the occurrence of false alarms.
- Smart H.264+, H.265+, flexible coding, applicable to various bandwidth & storage environments.
- Dual-band 2.4 GHz & 5 GHz Wi-Fi options, IEEE802.11a/b/g/n/ac.
- Supports max. 256 G Micro SD card & NVR storage.
- 100-240 VAC power supply, easy for installation.
- IP65 protection.



Specifications

Camera IPC-WL46A	
Image Sensor	1/3" CMOS
Max. Resolution	2560 (H) x 1440 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100,000
Min. Illumination	0.005 Lux@F1.6 (Color, 30 IRE) 0.005 Lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator On)
S/N Ratio	>56 dB
Illumination Distance	10m (32.81ft) (IR) 30m (98.43ft) (Floodlight)
Illuminator On/Off Control	Auto, manual
Illuminator Number	1 (IR LED), 2 (Floodlight, color can be switched between warm & cool)
Floodlight Brightness	1500 - 2400 lm
Floodlight Color Temperature	3000K±200K (warm) 6000K±300K (cool)
Floodlight Modes	Motion Activation Manual Schedule PIR Activation
Pan/Tilt/Rotation Range	Camera: Pan: -85° ~ +85° Tilt: -90° ~ +45° Rotation: 0° ~ +360° Floodlight: Tilt: -90° ~ +90° Rotation: -145° ~ +145°
PIR Sensor Distance	10m (The height of the device is 3m, placed at an angle of 30° from the horizontal)
PIR Detection Range	270

**Lens**

Lens Type	Fixed-Focal			
Lens Mount	M12			
Focal Length	2.8mm			
Max. Aperture	F1.6			
Field of View	Horizontal: 98° Vertical: 55° Diagonal: 115°			
Iris Control	Fixed			
Close Focus Distance	1.0m (3.28ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	61.2m (200.79ft)	24.5m (80.38ft)	12.2m (40.03ft)	6.1m (20.01ft)

Video

Video Compression	H.264B, H.264, H.264H, H.265, MJPEG
Smart Codec	Smart H.265+, Smart H.264+
Video Frame Rate	Main Stream: 2560 x 1440@1-25fps Sub Stream 1: 704 x 576@1-25fps 704 x 480@1-30fps Sub Stream 2: 640 x 480@1-25fps 640 x 480@1-30fps <i>The values above are the max. frame rates of each stream, for multiple streams, the values will be subjected to the total encoding capacity</i>
Stream Capability	3 streams
Resolution	4M (2560 x 1440), 3M (2304 x 1296), 1080p (1920 x 1080), 1.3M (1280 x 960), 1M (1280 x 720), D1 (704 x 576, 704 x 480), VGA (640 x 480), CIF (352 x 288, 352 x 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps – 8192 Kbps H.265: 32 Kbps – 8192 Kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Yes
HLC	Yes



WDR	DWDR
White Balance	Auto, natural, street lamp, outdoor, manual, regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes 4 areas
Smart Illumination	Yes
Image Rotation	0°, 180°
Mirror	Yes
Privacy Masking	Yes
Audio	
Built-in Mic	Yes
Built-in Speaker	Yes
Audio Compression	G.711A, G.711Mu, G.726, PCM
Alarm	
Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, security exception, motion detection, video tampering, scene changing, SMD (human, animal & vehicle), audio detection & intensity change
Network	
Wi-Fi	IEEE802.11a, b, g, n, ac 2.4-2.4835GHz & 5.18-5.85GHz
SDK & API	Yes
Cyber Security	Video encryption, configuration encryption, digest, WSSE, account lockout, security logs, generation & importing of X.509 certification, HTTPS, trusted boot, trusted execution & trusted upgrade
Network Protocol	IPv4, IPv6, ARP&Ping, TCP, UDP, HTTP, RTSP, HTTPS, DDNS, Email, SNMP, Multicast, Auto Registration, Wireless QoS, Wi-Fi setting, hotspot scanning, 802.1x, UPnP status, Bonjour, UPnP, device discovery
Interoperability	ONVIF, CGI, P2P & RTMP
User/Host	6 (Total bandwidth: 36M)
Storage	Micro SD card (support max. 256GB), FTP, SFTP & NAS



Browser	IE Chrome Firefox
Management Software	DMSS
Mobile Client	iOS & Android
Certification	
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU CE-RED: Radio Equipment Directive 2014/53/EU FCC: 47 CFR FCC Part15, SubpartB FCC ID: FCC PART 15c
Power	
Power Supply	100-240 VAC
Power Consumption	Basic: 5.2W (100-240 VAC) Max. (Illuminator + IPC): 48.3W (100-240 VAC)
Environment	
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F)
Operating Humidity	≤95%
Storage Temperature	-20°C ~ +50°C (-4°F ~ +122°F)
Protection	IP65
Structure	
Casing	Metal + Plastic
Product Dimensions	270.7 mm × 217.2 mm × 195.6 mm (10.66" × 8.55" × 7.70") (L × W × H)
Net Weight	1.40 kg (3.08 lb)
Gross Weight	1.88 kg (4.14 lb)
Dimensions	

