

U-Link

8MP 40x Starlight IR PTZ AI Network Camera

UL-8PIR500V40-IP



FEATURES

PTZ AI Network Camera

1/1.8" 8Megapixel STARVIS™ CMOS

Powerful 40x optical zoom

Starlight technology

Auto-tracking

Smart wiper

IP67



8MP 40x Starlight IR PTZ AI Network Camera

UL-8PIR500V40-IP

SPECIFICATION

Camera				
Image Sensor	1/1.8" 8Megapixel STARVIS™ CMOS			
Resolution	8MP			
Effective Pixels	3840 (H) x 2160 (V)			
Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG (Sub Stream 1)			
TV System	PAL/NTSC			
Electronic Shutter Time	1/1 s–1/30000 s			
Minimum Illumination	Color: 0.005Lux@F1.4 B/W: 0.0005 Lux@F1.4 0 Lux@F1.4 (illuminator on)			
S/N Ratio	≥ 55 dB			
Scanning System	Progressive			
Auto/Manual iris	Yes			
ROM	8 GB			
RAM	2 GB			
Illumination Distance	500 m (1640.42 ft)			
Illuminator On/Off Control	Zoom Prio; Manual; SmartIR			
Wiper	Smart wiper			
Streaming Method	Unicast; Multicast			
Lens				
Focus Length	5.6 mm–223 mm			
Focus Control	Auto; Semi-Auto; Manual			
Max. Aperture	F1.4–F4.8			
Pixels	8MP			
Field of View	H: 63.9°–2.0°; V: 37.2°–1.2°; D: 71.2°–2.4°			
Optical Zoom	40x			
DORI Distance	Detect 4400 m(14435.70 ft)	Observe 1740m(5708.66 ft)	Recognize 880 m (2887.14 ft)	Identify 440 m (1443.57 ft)
PTZ				
Pan/Tilt Range	Pan: 0° to 360°Tilt: -30° to +90°, auto flip 180°			
Manual Control Speed	Pan: 0.1°/s–240°/sTilt: 0.1°/s–100°/s			
Preset Speed	Pan: 240°/s; Tilt: 120°/s			
Preset	300			
Tour	8 (up to 32 presets per tour)			



8MP 40x Starlight IR PTZ AI Network Camera

UL-8PIR500V40-IP



Pattern	5
Scan	5
Speed Adjustment	Yes
Power-off Memory	Yes
Idle Motion	Preset; Tour; Pattern; Scanning
Protocol	DH-SIP Pelco-P/D (auto recognition)
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	Pv4; IPv6; HTTP; HTTPS; 802.1x; QoS; FTP; SMTP; UPnP; SNMP v1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP; RTMP
ONVIF	Support S&G&T; CGI
P2P	YES, Support FTP; Micro SD card (256 GB)
Main Stream	4K/1080P/1.3M/720P (1-25/30 fps)
sub stream 1	D1/CIF (1-25/30 fps)
sub stream 2	1080P/1.3M/720P (1-25/30 fps)
User/Host	20 (total bandwidth 64 MB)
Storage	FTP; Micro SD card (256 GB); P2P
Management Software	Smart PSS; DSS; DMSS; Easy4ip; IVSS
Mobile Phone	iOS; Android
Browser	IE7 and later versions Chrome 42 and earlier versions Firefox 52 and earlier versions Safari
Video	
Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG (Sub Stream 1)
Streaming Capability	3 streams
Resolution	4K (3840 × 2160); 4M (2560 × 1440); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576); CIF (352 × 288)
Frame Rate	Main stream: 4K/1080P/1.3M/720P (1-25/30 fps) Sub stream 1: D1/CIF (1-25/30 fps) Sub stream 2: 1080P/1.3M/720P (1-25/30 fps)
Bit Rate Control	Variable; Constant
Bit Rate	H264: 512 Kbps-16384 Kbps H265: 256 Kbps-10240 Kbps
BLC	Yes
WDR	140 dB
HLC	Yes
White Balance	Auto; Indoor; Outdoor; Tracking; Manual; Sodium Lamp; Natural; Street Lamp



8MP 40x Starlight IR PTZ AI Network Camera

UL-8PIR500V40-IP



Gain Control	Auto; Manual
Noise Reduction	2D; 3D
Motion Detection	Yes
Region of Interest (RoI)	Yes
Day/Night	Auto (ICR); Color; B/W
Image Stabilization	Electronic (EIS)
Defog	Optical
Digital Zoom	16x
Flip	0°; 180°
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
Camera features	
Event Trigger	Motion detection, video tampering, scene changing, network disconnection, IP address conflict, illegal access, and storage anomaly.
IVS	Object Abandoned; Object Missing
Artificial Intelligence	
Video Metadata	Support human body, human face, motor vehicle and non-motor vehicle image capture and attributes extraction.
Perimeter Protection	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.
Face Recognition	Yes
Auto Tracking	Yes
Audio	
Compression	G.711a; G.711mu; G.726; AAC; G722.1; G.729; MPEG2-Layer2; G723
Audio Input	1 (LINE IN; bare wire)
Audio Output	1 (LINE OUT; bare wire)
Mechanical	
Alarm I/O	7/2
Illumination Distance	500 m (1640.42 ft)
RS-485	1 (baud rate range:1200 bps-9600 bps)
General	
Power Supply	DC 36V/2.23A±25% Hi-PoE
Power Consumption	30W 48W (IR light on)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤ 95%RH
Protection	IP67; IK10; TVS 6000V lightning protection; surge protection; voltage transient protection
Casing	Metal
Dimensions	415.6 mm × Φ262 mm (16.36" × Φ10.31")
Net Weight	8.5 kg (18.74 lb)
Gross Weight	13.5 kg (29.76 lb)