ITRP116S-20HSAD

16MP Dual-Lens Panoramic Active Deterrence Turret Network Camera

Overview

The 16MP Dual-Lens Panoramic Active Deterrence Turret Network Camera pairs a 1/1.8" SONY Starvis2 sensor with an F1.0 lens for clear images day and night. Its smart hybrid-light illumination switches between IR and warm light to deliver full-color video when needed, while built-in analytics distinguish humans and vehicles to reduce false alarms.



Key Features

- 16MP resolution (3856 × 2180 × 2), main stream up to 7680 × 2160 @ 20fps
- 1/1.8" SONY Starvis2 sensor, F1.0 aperture
- Color: 0.01 Lux, 24/7 full-color imaging
- Dual light (IR + warm light): IR 50m, Warm light 50m; smart / manual / timed control
- Active deterrence: red & blue warning light with built-in speaker
- Digital WDR, 3D DNR, BLC, HLC, defog
- H.264 / H.264+ / H.265 / H.265+ / MJPEG compression
- Intrusion Detection/Line Crossing Detection/Enter Area Detection/Leave Area Detection/Line Crossing Count, Loitering Detection/People Gathering Detection, Motion Detection, Illegal Parking, License Plate Detection
- Built-in microphone and speaker, alarm I/O, microSD up to 512 GB
- Metal+Plastic housing, IP67, PoE (IEEE 802.3af), ONVIF Profile S/T/G/M

16MP	Dual Light	50m	H.265+	Deterrence	IP67
3856 × 2180 × 2	IR + warm light	IR range	video compression	red & blue light + speaker	weatherproof

Quick Specifications

Image Sensor	1/1.8" SONY Starvis2 Back-illuminated CMOS sensor
Lens	4 mm, F1.0
Field of View	horizontal FOV 201°, vertical FOV 59°
Supplement Light	IR 50m, Warm light 50m
Audio	Built-in Mic + Speaker
Power	DC12V±10%, 950mA / PoE
Housing	Metal+Plastic, IP67
Operating Temp.	-20°C ~ +50°C RH95% Max

Specification

Camera	
Image Sensor	1/1.8" SONY Starvis2 Back-illuminated CMOS sensor
Max. Resolution	16MP (3856 × 2180 × 2)
Min. Illumination	Color: 0.01 Lux@(F1.0, AGC ON), 0 Lux with white light, B/W: 0 Lux with IR
Shutter Time	Auto: 1/3-1/100000Sec
Day & Night	Color/ B&W (IR-CUT)
IR Cut Filter	Yes
S/N Ratio	60dB
Scanning System	Progressive
TV System	PAL/NTSC
Lens	
Focal Length & FOV	4 mm, horizontal FOV 201°, vertical FOV 59°
Lens Type	Fixed focal lens
Focus Control	Fixed
Aperture	F1.0
Lens Resolution	8MP
Illuminator	
Supplement Light Type	IR 4PCS, Warm light 4PCS
Supplement Light Range	IR 50m, Warm light 50m
Supplement Light Control	Auto Control
Smart Supplement Light	Smart, Manual & Timed mode
Active Deterrence	Red & blue warning light, built-in speaker
Video	
Main Stream	7680 × 2160 @ 20fps 4096 × 1152 @ 20fps
Sub-Stream	2560 × 720 @ 20fps
Video Compression	H.264/H.264+/H.265/H.265+/MJPEG
Video Output	Network
Audio	
Audio Compression	G711A/U, AAC, MP2L2
Network	
Protocols	TCP/IP, IPv4/v6, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTMP, RTCP, PPPoE, NTP, SMTP, UDP, SNMP, Qos, 802.1x
ONVIF	Support ONVIF 24.12(Profile S/T/G/M)
P2P	Yes
Video Delay	300ms (Within the Lan)
Recording Mode	NVR/CMS/Web
Mobile Client	iPhone, Android
Web Browser	Microsoft Edge, IE11, Google Chrome, Firefox, Mac Safari

Image	
Image Settings	Saturation/Brightness/Contrast/Sharpness, 3D NR, White Balance, Anti Flicker, Video Tampering, HLC, Distortion(Default enable, not configurable), Scene Change Detection
Full Color	Support
Defog	Support
Region of Interest (ROI)	Support
BLC	Support
Privacy Mask	3 Rectangular Zone
Interface	
Ethernet Interface	RJ-45 (10/100Base-T)
Audio	Built-in Mic + Built-in Speaker Support Sound Detection
Alarm	Default: Alarm I/O
On-Board Storage	Default: External SD card slot (Max 512GB)
Reset Key	Support
Event	
Basic Event	Support(support enable the detection based on human movement only)
Smart Event	Intrusion Detection/Line Crossing Detection/Enter Area Detection/Leave Area Detection/Line Crossing Count(based on human, vehicle and non-motor vehicle detection); Loitering Detection/People Gathering Detection(based on human detection); Motion Detection(supports the detection based on human, vehicle and non-motor vehicle movement); Illegal Parking(based on vehicle shape and license plates); License Plate Detection; Abandoned Object Detection; Removed Object Detection; Heat Map; Fire Detection; Video Structured Analytics
General	
Power	DC12V±10%, 950mA; PoE (Internal, Support IEEE 802.3af)
Housing	Metal+Plastic, IP67
Anti-cut Bracket	No
Dimension	Ø 152 × 156.28 mm
Weight (N.W. / G.W.)	Approx. 1188 g / Approx. 1463 g
Operating Conditions	-20°C ~ +50°C RH95% Max
Storage Conditions	-20°C ~ +50°C RH95% Max
Language	Chinese Simplified, Chinese Traditional, English, Korean, Polish, French, Japanese, Spanish, Portuguese, Italian, Hebrew, Ukrainian,Arabic, Vietnamese, Thai, Hungarian

Dimension



Available Model	**ITRP116S-20HSAD** (4 mm)
Dimension	Ø 152 × 156.28 mm
Weight (N.W. / G.W.)	Approx. 1188 g / Approx. 1463 g

Accessory (Optional)



JB-LF

Specifications are subject to change without notice.