ICL-4GPTZ675AI

4G LTE SIM Cellular PTZ Camera with Active Deterrence and Human/Vehicle Filtering

ICL-4GPTZ675AI is an AI deep learning active deterrence PTZ camera with built-in 4G LTE cellular network. It is compatible with main mobile carriers in the world, such as T-Mobile, AT&T, Vodafone, etc.

Outstanding Features

- 1/2.8" Sony 327 progressive scan CMOS sensor

- Built-in 4G LTE wireless network, compatible with all main mobile carriers worldwide

- Active strobe light and audio alarm to warn intruders off

- False alarm reduction through human and vehicle target classification based on deep learning

- 2.8-12mm lens with Pan/Tilt

- Intelligent perimeter protection, including cross line, intrusion, enter area, leave area detection

- Excellent low-light performance powered by Darkfighter technology

- High quality imaging with 5 MP resolution

- Clear imaging against strong back light due to 120 dB true WDR technology

- Provides real-time security via built-in two-way audio

Specifications

Camera					
Sensor	1/2.7" progressive scan, 5.0 megapixel, CMOS				
Lens	2.8~12mm，AF automatic focusing and motorized zoom lens				
DORI Distance	Lens	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	2.8mm	63.0	25.2	12.6	6.3
	12mm	270.0	108.0	54.0	27.0
Angle of View (H)	30.6°~104.1°				
Angle of View (V)	17.4°~54.9°				
Angle of View (O)	34.4°~108.3°				
Shutter	Auto/Manual, shutter time: 1 s ~ 1/100000 s				
Minimum Illumination	Colour:0.003 lux (F1.6, AGC ON) 0 lux with IR				
Day/Night	IR-cut filter with auto switch (ICR)				
Digital noise reduction	2D/3D DNR				
S/N	>52 dB				
IR Range	UP to 50m (164ft)				
Wavelength	850nm				
IR On/Off Control	Auto/Manual				
Warm Light Range	UP to 10m (33ft)				
WDR	120dB				
Video					

Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline profile, Main Profile
Frame Rate	Mainstream: 5MP (2880*1620), Max 30fps; 4MP (2560*1440), Max 25fps;3MP (2304*1296), Max 25fps; 2MP (1920*1080), Max 30fps. Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF (704*288), Max 30fps; CIF (352*288), Max 30fps. Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF (704*288), Max 30fps; CIF (352*288), Max 30fps;
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 8 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	N/A
HLC	Supported
BLC	Supported
Intelligent	
Smart Intrusion Prevention Events	Cross Line, Intrusion, Enter Area, Leave Area detection; Motion detection
Basic Detection	Motion detection, Tampering alarm, Audio Detection

General Function	Watermark, IP Address Filtering, Tampering Alarm, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio	
Audio Compression	G.711U, G.711A
Two-way Audio	Supported
Suppression	Supported
Sampling Rate	8 KHZ
Storage	
Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR, NAS(NFS)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, SSL
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Client	EZStation, EZView, EZLive
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below
	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
4G Frequency Band	US version: 4G LTE Band 1/2/4/5/12/13/17
	Working with AT&T / T-Mobile 4G LTE Network
	Australia Version: 4G LTE Band 1/3/5/7/8/20
	Working with Telstra, Optus, Vodafone 4G LTE Network
Pan & Tilt	
Pan Range	0°~345°
Pan Speed	0.1°/s ~ 50°/s
	Preset speed: 50°/s
Tilt Range	-10~110°

Tilt Speed	0.1° ~ 40°/s
	Preset speed: 40°/s
Number of Presets	256
Patrol	Preset patrol, Route patrol

Interface	
Network	1 RJ45 10M/100M Base-TX Ethernet
Built-in Mic	Supported
Built-in Speaker	Supported
Alarm Light	Supported

Certifications	
Certifications	CE: EN 60950-1; UL: UL60950-1; FCC: FCC Part 15

General	
Power	DC 12V±25%, PoE (IEEE802.3 at)
	Power consumption: Max 18 W
Dimensions (Ø x H)	Φ133mm*269.4mm (Φ5.2"x 10.6")
Net Weight	0.87 kg (1.92lb)
Gross Weight	1.13 kg (2.49lb)
Material	Metal + Plastic
Working Environment	-20°C ~ 60°C (-4°F to 140°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-20°C ~ 60°C (-4°F to 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Ingress Protection	IP66
Reset Button	Supported

Dimensions (Unit: mm)

276mm
(10.9")

269mm
(10.6")

133mm
(5.2")

185mm
(7.3")

⌀ 5mm
(0.2")

64mm
(2.5")

64mm
(2.5")