4MP Thermal & Optical Dual-spectrum Starlight Intelligent PTZ Dome Camera

TIC6831ER-F50-4X38P

| Lighthunter | WDR | Ultra H.265 | Smart IR | PoE | Smart intrusion prevention | Fire detection | Gyroscope |

Features

- Thermal & Optical dual-spectrum image, dual channels with one IP, adaptable to more various scenes
- Passive infrared thermal imaging, meet the requirement of concealed monitoring and not affected by bad weather condition such as fog, smoke, rain, snow and night etc.
- Starlight illumination
- Smart IR, up to 150m (492ft) IR distance
- Gyroscope stabilization for stable picture
- 2D/3D DNR (Digital Noise Reduction)
- Smart linkage: thermal channel support fire detection, optical channel can link to the fire position and zoom in, more accurate to judge fire situation
- Perimeter protection based on deep learning algorithm: cross line, enter area, leave area, intrusion, support smart tracking
- 4 Megapixel optical image
- Ultra265, H.264, MJPEG
- Triple streams
- Customize OSD
- ONVIF Conformance
- AC/DC24V or PoE++(IEEE 802.3bt) power supply
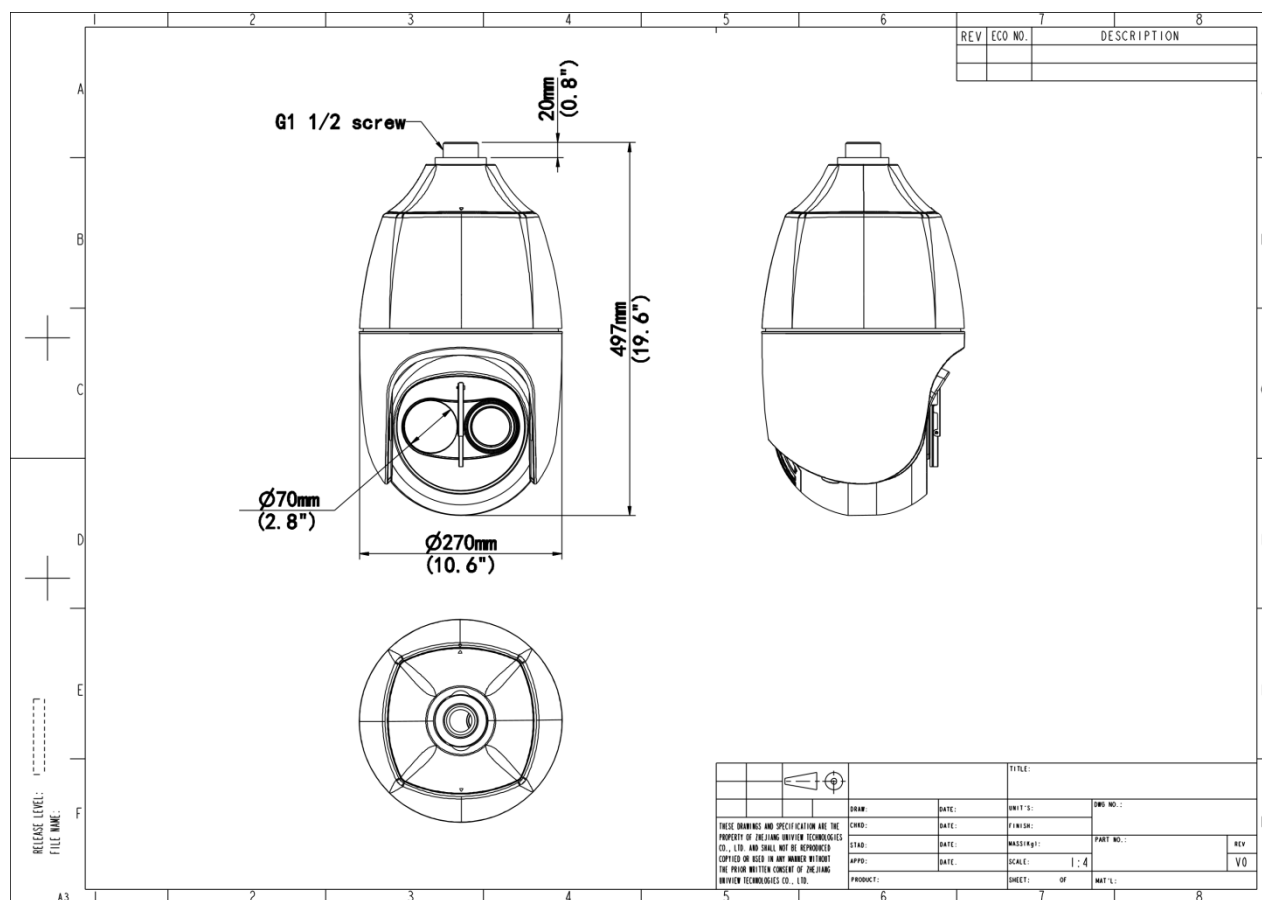- Wide voltage range of ±25%
- Support Wiper

● Alarm 2 in and 1 out, Audio 1 in and 1 out

● IP66

Specifications

Model	TIC6831ER-F50-4X38P
Camera	
Pixel Size	17 um
NETD	≤ 50 mk@F1.0@23±3 ℃
Shutter	Auto/Manual, 1 to 1/100000 s
WDR	120 dB
S/N	>56 dB
Illuminator	
Illumination Distance (IR)	Up to 150m (492ft)
Wavelength	850 nm
IR On/Off Control	Auto/Manual
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Video Resolution	Main Stream: 4MP (2688×1520): Max.60fps; Sub Stream: 2MP (1920×1080): Max.60fps; Third Stream: D1(720 x 576): Max.60fps;
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support
ROI	Up to 8 areas
Video Stream	Triple streams
OSD	Up to 8 OSDs
Privacy Mask	24 areas, up to 8 areas per scene
Image	
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Flip	Normal, Flip vertical, Flip horizontal, 180°
HLC	Support
BLC	Support
Defog	Digital defog, Optical defog
Events	
Fire Detection	Support the detection of fire point in the environment and link the optical camera zoom tracking and alarm
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output
Intelligent	
Auto Tracking	Support
Audio	

Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
Storage	
Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR, NAS (NFS)
Network	
Protocols	IGMP, RTP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	EZStation, EZLive, EZView
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+
PTZ	
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 180°/s
Tilt Range	-15° ~ 90° (auto reverse)
Tilt Speed	0.1° ~ 180°/s
Number of Presets	1024
Interface	
Audio I/O	1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]
Alarm I/O	2/1
Serial Port	1 channel RS485 interface
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
General	
Power	AC 24V, DC 24V ±25%, PoE++ (IEEE 802.3bt) (IEEE802.3bt switch required)
Power Consumption	Max 65W
Power Interface	Two-core terminal block
Dimensions	Φ270mm × 496.7mm (Φ10.6" × 19.6")
Weight	10.22kg (22.53lb)
Working Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support

Dimensions

G1 1/2 screw

20mm (0.8")

497mm (19.6")

Ø70mm (2.8")

Ø270mm (10.6")

Accessories

TR-UF45-A-IN	TR-SE45-A-IN	TR-SE45-IN
Dome Indoor Ceiling Mounting Pedestal	Dome Ceiling Mounting Pole 500	Dome Ceiling Mounting Pole 200

TR-CE45-IN	TR-JB12-IN	TR-WE45-A-IN
Dome Indoor Ceiling Mounting Bracket	Dome Junction Box	Long Wall Mounting Bracket for Dome

TR-WE45-B-IN

Dome Gooseneck Bracket

TR-UP08-A-IN

Dome Pole Mounting Bracket

TR-UP08-B-IN

Aluminium Alloy Pole Mounting Bracket

TR-UC08-A-IN

Dome Corner Mounting Bracket

TR-UC08-B-IN

Aluminium Alloy Corner Mounting Bracket