

Flame Detection Visualized Terminal

5MP Flame Detection Visualized Terminal IPC-THF-930 Series

Based on the powerful AI chip and professional AI analysis algorithm, high-sensitivity recognition is carried out from the image characteristics of the flame. The detection is based on the difference in the radiation spectrum produced by sunlight, light and material combustion processes, through 2 Infrared pyroelectric detectors with different bands. Then the results are confirmed and filtered on the camera side to achieve a flame detection solution with high sensitivity and low false alarms.

Features

- * Support low bit rate, low delay, ROI, SVC self adaptive encoding technology
- * Built-in 64GB Micro SD Card local storage (Max. up to 256GB optional)
- * Support back light compensation, automatic electric shutter function, suitable for different surveillance environment
- * Support 3D DNR, support WDR
- * Support 10M/100M self-adaptive RJ45 port, IP67 waterproof
- * Support 1ch alarm input, 2ch alarm output, 1ch audio RCA output, hardware reset button
- * Support built-in microphone
- * Support alarm picture and alarm video push and linkage
- * Support ONVIF, RTSP
- * Support WebRTC, SKD for integration
- * Support mobile APP push

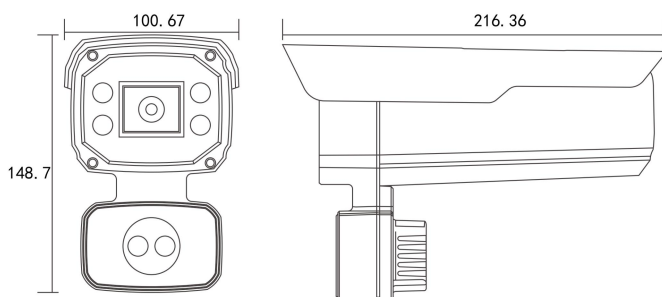
Application

Dangerous areas: high-voltage power areas, scenic spots (cliffs, deep water areas), chemical storage areas, safety production workshops, centralized electric vehicle charging pile locations, indoor substations, new energy, petroleum and petrochemical (gas stations), etc.
Important protection areas: laboratories, libraries, warehouses, archives, protection of precious flowers and trees in scenic spots, museums, temples, and cultural relic protection areas

Picture



Dimension



Accessories (Optional)

- DC12V 2A Power Adapter
- Bracket

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Product Name	5MP Flame Detection Visualized Terminal			
Model	IPC-THF-930	IPC-THF-930(WIFI)	IPC-THF-930(1G)	IPC-THF-930(4G)
System Structure	Embedded Linux Design, Dual Core Cortex-A7@1.2GHz+2Gb DDR + 1Tops NPU + FLASH: 2Gb Hard compression, Watch Dog			
Sensor Type	White Light: 1/2.7" 5MP Progressive Scan Super Low Lux CMOS IR Flame Sensor: 4.3um Main Detect + 5.0um Compare			
Lens	F1.6 4mm 5MP			
FOV	Horizontal 90°, Vertical 48°, Diagonal 108°			
Night View	Full Color			
Supplement Light Type	4pcs 4000K White Light			
WDR	Support, ≥100dB			
3D DNR	Support 3D noise reduction, BLC, auto enable			
Audio and Video Compression				
Video Compression	H.265/H.264			
H.264 Type	Baseline Profile / Main Profile / High Profile			
H.265 Type	Main Profile			
Resolution	Main Stream: 25fps (2880*1620 / 2560*1440 / 1920*1080 / 1280*720 720*576 / 640*360) Sub Stream: 25fps (1920*1080 / 1280*720 / 720*576 / 640*360)			
Max. Picture Resolution	2880*1620 @25fps			
Video Bitrate Control	VBR/CBR/AVBR (50kbps~40960kbps)			
Video Type	Video&Audio Stream / Video Stream			
Audio Compression	G.711ulaw/G.711alaw/PCM/ACC-LC			
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw) / 16~64 Kbps (AAC-LC)			
Audio Sampling Rate	8 kHz / 16 kHz			
Emic Echo Elimination	Support			
Network Function				
Network Protocol	TCP/IP , UDP, RTP, RTCP, RTSP, NTP, HTTP, DHCP, SSL/TLS, FTP, DNS, DDNS, PPPoE, IGMP, IPv4, IPv6, 802.1X, QoS, WebSocket			
Interface Protocol	ONVIF, WebRTC, GAT1400, GB28181-2016			
Simultaneous Live View	16			
Security	ONVIF password authentication, RTSP password authentication, IP address filtering			
Smart Alarm	Motion Detection, Shelter Alarm, Intrusion Detection, Flame Detection, Smoke Detection			
Motion Detection	Can set detecting area, can set multi-sensitivity level			
Event Linkage	Snapshot, Record linkage, Mobile App push notifications, Light alarm, audio alarm (connect to external speaker), alarm input/output			
OSD	Title, date and time OSD Support 7 lines self-defined OSD, each line can displayed up to 64 characters			
System Upgrade	Support User Tool, Web and online OTA upgrade			
Web-page Language	Simplified Chinese, Traditional Chinese, English			
Browser	Apple Safari, Google Chrome, Firefox Mozilla, MS Edge, MS Explorer			
WIFI FUNCTION				
Wi-Fi Band	-	2.4GHz	-	-
Standard	-	802.11b/g/n/ax	-	-
Transmission Speed	-	Max: 229Mbps	-	-
4G FUNCTION				
4G Type			LTE CAT1	LTE CAT4
Standard			LTE-TDD/LTE-FDD	LTE-TDD/LTE-FDD/ WCDMA/GSM/EDGE
Frequency			LTE-FDD: B1/3/5/8 LTE-TDD: B34/38/39/40/41	LTE-FDD: B1/3/5/8 LTE-TDD: B34/38/39/40/41 WCDMA: B1/5/8 GSM/EDGE: B5/8
Transmission Speed			LTE-FDD (Mbps) Downline: 10; Upline: 5 LTE-TDD (Mbps) Downline: 8.96; Upline: 3.1	LTE-FDD (Mbps) Downline: 150; Upline: 50 LTE-TDD (Mbps) Downline: 130; Upline: 30

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Flame Detection Features			
Flame Detector Type	2pcs IR Pyroelectric Detector (4.3um Main Detect + 5.0um Compare)		
Flame Detect Area	Horizontal 90°, Vertical 48°		
Flame Detect Range	0.1 Square meter Container: N-heptane, 650g, 50Meters; 90% Industrial Ethanol, 25Meters		
Detection Sensitivity	10 level		
Flame Detect AI Review	Support		
AI Review Sensitivity	Support 0.2-1.0 adjustable		
Smoke Detection	Support		
Smoke Detection Area	Full Screen		
Detection Frame	≥10fps/s		
Flame Detection			
Linkage Alarm	Support		
Detection Area	Full Screen Detect		
Arming Schedule	Support self-defined arming schedule		
Trigger Mode	Picture, Video trigger		
Interface			
Communication	RJ-45 (10/100BASE-T)		
Audio	1ch built-in MIC, 1pcs external 5W speaker (default)		
Power Interface	1pcs DC 12V Power port		
Alarm Interface	1ch alarm input/ 2ch alarm output		
Reset	Support hardware reset		
On-board Storage	Default built-in 64GB Micro SD Card Slot (Max. Support 256GB TF Card optional)		
Accessory Type (Optional)	Bracket, DC12V2A Power Adapter		
Common			
Working Temperature/Humidity	-30°C~60°C / ≤95% (no condensation)		
White LED	4pcs		
Max. White Light Range	30Meters		
Waterproof Grade	IP67		
Power	DC12V / PoE	DC12V	
Device Weight	775g	775g	790g
Material	Aluminum Body		
Dimension	Machine Size: 216.4mm*100.7mm*148.7mm / Full Packing Size: 255mm*125mm*185mm Carton Size: 650mm*535mm*400mm / 20pcs per carton		