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## Rapid deployment 4G Thermal PTZ camera

Model item: IPV-CQ70RI-4GW



4G HD Wired Emergency Control Box is a box type video server product integrating camera, wireless transmission, voice intercom, video storage and image real-time display. It is built 4G and hard disk storage, combining the most advanced H.264 video compression/decompression technology, and GPS/BDS positioning technology in the IT field. The product is simple in appearance, easy to carry, easy to install, powerful, high reliability and superior anti-vibration characteristics. It is suitable for applications such as trains, automobiles, and other transportation applications, as well as field application environments with large mobility and public security, firefighting, law enforcement, and insurance investigation claims.

### One. Product features:

1. 14.1-inch 16:9 bright LCD screen, resolution 1920\*1080P
2. Convenient local real-time video preview, local video storage, local pan/tilt control
3. Full HD video storage, Full HD video transmission (according to different network conditions and settings)
4. Support wireless network access platform, remote real-time video preview, voice intercom
5. Support dual-mode operation (optional)
6. Supports wireless bitstream dynamic adjustment
7. Unique multi-stream design, wireless network audio and video, cable network audio and video, storage can choose the right stream

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8. Support GPS positioning function
9. Built-in battery power display function
10. Support equipment and platform intercom,
11. Selecting a powerful cluster intercom function。
12. Dual spectrum thermal PTZ camera. Including day and night vision.
13. Built in 4G. support all network.

**Internet function**

1. Support TCP/IP protocol
2. Support multi-mode wireless transmission such as WCDMA, EVDO, and TD-TLE

**Two. Host technical parameters**

Operating System	Embedded Linux Operating System
Input	1-4 channel
Storage	Max support 4 channel 1080P
Video Resolution	Max support one channel 1080P, Adaptive Rate
Display	14.1 inch 16:9 HD display
Resolution	1920*1080P
Intercom function	Mic monitor intercom
RS-485	PTZ Control
Playback channel	Supports local single channel playback, PC software single channel playback
Wireless network	supports single card, dual card or multi-mode, support 4G backward compatible with 3G, optional:TD-TLE/FDD-LTE/WCDMA/EVDO/TD-S CDMA
Positioning	GPS
Local storage	Built-in 2.5 inch SATA hard drive, up to 2T
SIM slot	1/2 SIM card interface
working time	About 12 hours
Battery display	support
Working temperature	-20°C~+60°C
Operating humidity	10%~95% (without condensation)
PTZ Camera	2.0mega pixels. 20X optical zoom.IP signal.

**Thermal PTZ camera**

HD intelligent 4G dual spectrum Thermal PTZ camera is a comprehensive, portable and convenient wireless video emergency command integrated product. It is high integration,

integrated visible light camera and thermal imaging camera. Support 4G/5G transmission, GPS position. Built-in high-performance lithium battery. The device is waterproof, protection grade up to IP66. It can meet the special requirements of temporary control and quick installation. The device can be temporarily installed on the location or vehicle that needs to be monitored. Built-in temperature measurement thermal imaging to meet the needs of temperature measurement and night operation. Mainly used in power industry, public security, traffic police, fire protection, military regions, courts, prisons, environmental protection and other units



## Feature

- Exquisite structural design, aluminum alloy casting shell, impact resistance and corrosion resistance.
- Support 4G full Netcom module remote wireless video transmission.
- Built-in GPS antenna, supports Beidou/GPS dual-mode fast positioning.
- Built-in Wifi module, can connect to hotspot configuration parameters or preview video.
- Built-in LED display, which can display 4G, GPS, and battery status in real time
- Built-in temperature measurement thermal imaging camera to achieve accurate temperature measurement and day and night monitoring.
- Visible light glass has its own heating and defrosting function.
- Integrated design, equipped with high-attraction magnets at the bottom, easy to install
- Support voice broadcast (non-standard configuration).
- Support multi-platform access: OKAF dynamic forensics platform and GB28181, etc.

## Thermal camera

- Excellent thermal imaging, resolution 640\*512 optional
- AGC automatic gain adjustment, 3D noise reduction, DDE image detail enhancement.
- Black hot / white hot / iron red / rainbow and other fake colors (14 kinds of false color

adjustable)

- Accurate temperature measurement, maximum temperature cross positioning.
- supports 1 line temperature measurement 10 frame temperature measurements and 10 point temperature measurements.
- Abnormal temperature alarm, support 2-way hardware alarm input, 2-way alarm output.
- Support standard ONVIF protocol, support SDK.

**Day camera**

- Resolution 2 megapixel HD, 1920 \* 1080P resolution;
- 33 x optical zoom optional.
- Standard ONVIF protocol. Support H.264 & H.265.

**Technical data:**

Product name		4G HD dual spectrum thermal PTZ camera
Operate system		Linux
Video	video compression format	H.265/H.264
	dual stream	Main stream and sub stream
	Resolution	1080P/720P/D1
	preview function	Support
Storage	Local storage	1 SD card, Max support 256G
wireless network	4G/3G	Can support 4G module, support full Netcom or private network protocol
	WIFI	Built-in WIFI module, support 802.11b/g/n
	hotspot mode	Support 4G AP hotspot mode, support router STA mode
Position	GPS	Built in GPS/ Beidou
Extension ports	RJ45 Network interface, charging interface	
PTZ	horizontal rotation angle	360°
	vertical rotation angle	-20°~90°
	Battery	Large-capacity lithium battery pack, remaining power prompt
Power supply	Charging time	<5 h
	Working time	6-8 h(room temperature environment)
	temperature	-15℃ ~ +50℃
working environment	humidity	<90%
dimension		294*153mm (Height*diameter)
Weight		Net weight: 3.5kg
		Gross weight: 9.6kg

Day camera	sensor type	1/2.8" Progressive Scan CMOS
	signal system	PAL/NTSC
	minimum illumination	0.01Lux @(F1.5,AGC ON) color 0.005Lux @(F1.5,AGC ON) black and white
	Day and night mode	ICR Infrared filter type
	electronic shutter	1/1 s ~ 1/30,000 s
	Resolution	1920x1080/1280*720 25fps/30fps
	white balance	Auto/manual/sunny/cloudy/dusk/incandescent lamp/sodium lamp/fluorescent lamp/one-time tracking/automatic tracking
	3D noise reduction	Support
	Optical zoom	33 x optical zoom
	Control Protocol	PELCO-D/P

**Thermal camera datasheet:**

Thermal camera	Resolution	640*512
	Lens	9 mm
	Field of view	24.5° × 19.7°
	Minimum imaging distance	1.5mm
	Temperature range	-20°C-150°C or 0°C-550°C
	The longest temperature measurement distance	25m
	Temperature measurement accuracy	±2°C or ±2% of reading
Alarm distance	Human(1.8m*0.5m)	175m
	Vehicle (4m*1.4m)	525 m
	Fire (2m*2m)	1500m

**Dimension :**

