

# Technical Specifications: IR Sentinel



## NON-CONTACT INFRARED FEVER DETECTION

### Technical specifications

Face recognition			Physical Properties			
System specs	Operating System	Android 6.0	Dimensions (mm)		153 (w) x 284 (h) x (31 (d))	
	CPU	RK3288	Material	Aluminium alloy and 304 stainless steel		
	RAM	DDR3 2GB				
	Flash	EMMC 8GB	Power	100-240V A/C		
	LCD	7-inch IPS 800x400 resolution	Interfaces	Power, Ethernet, USB, RS485		
	CTP	G&G capacitive touch panel (glass to glass)	Environmental			
	Camera	Monocular camera: RMB 2 megapixel, wide dynamic range (WDR 115db), additional backlight/flash for low-light ambient environments	Ideal operating conditions	Temperature	+ 15°C to + 30°C	
				Humidity	10~90% non-condensing	
Live detection	Support for real-time - off by default	Storage	Temperature	- 20°C to + 55°C		
Backup light	LED	White, RGB camera backup light	Ultrasonic detector			
Data interfaces	Wi-Fi	802.11b/g/n, 2.4GHz	Range	0.3m to 2.0m		
	Ethernet	10M/100M self-sensing	Precision	±1cm		
Facial recognition	Database size	10,000+ faces	Speed	Typically 25ms		
	Recognition speed	0.4s	Test standard	Conforms to IEC 61000-4-2 electrostatic protection standard		
Speaker		4Ω/1W				
Optional accessories			Infrared thermometer			
Supporting brackets	Wall bracket Free-standing pedestal Desktop mount (supplied as standard)		Resolution	32 x 32		
			View angle	33° x 33°		
			Test distance	0.5m to 1m		
			Precision	±0.3°C		



## Frequently Asked Questions

**Can IR Sentinel be powered over Ethernet (PoE)?**

No.

**How many IR Sentinel units can be connected simultaneously in a single system?**

100 devices to any one PC/server.

**Are IR Sentinel's IP settings user-configurable?**

Yes, each IR Sentinel unit may be set for any IP/Subnet/Gateway via the on-screen menu.

**Does IR Sentinel support Telnet?**

No.

**Does IR Sentinel have a password?**

Yes, you may set a password for each IR Sentinel device.

**Is any information from or to IR Sentinel, stored in the public cloud or accessible by a third-party?**

No, all information is located wherever you direct. No access is possible by the manufacturer or chip provider.

**Where is my data stored?**

GDPR-sensitive data is stored on your PC/server. If used, facial recognition data is stored in an encrypted format on each IR Sentinel device.

**How are any upgrades applied to the firmware?**

Upgrades are provided as a zip file, which you can upload across via your own network protocols.

**Can IR Sentinel show a message that's unique to my organisation/site?**

Yes, although we advise you only use one line for clarity.

**Can IR Sentinel speak a customised welcome/action message?**

Yes, a welcome/instructional message and post-reading message is available.

**If an unacceptable temperature is read –i.e. a fever is indicated - can IR Sentinel provide a text/voice message for the user?**

Yes, a wholly customisable voice/text message is available.

**Is it possible to display a static GDPR message on IR Sentinel's screen?**

Yes. For example, "This unit does not record or store your image".

**Can IR Sentinel distinguish between staff members and visitors?**

Yes, when used in Facial Recognition Mode.

**Can IR Sentinel take photographs?**

Yes, if configured to do so, and if allowed under relevant GDPR regulations and other rules your organisation is subject to.

**Can IR Sentinel trigger a third-party entry gate to allow/deny entry?**

Yes - IR Sentinel uses an industry-standard connector to allow for quick and easy integration into automated turnstile and entry systems.

**I run a site that is open to the general public. Can IR Sentinel act in a generic unspecified individual manner?**

Yes, IR Sentinel can simply read any individual's temperature and allow/deny access.

**Are there any specific network requirements for cable or protocols?**

No.

**What operating system is required to run the server software?**

Windows 10.

## Suitable applications for IR Sentinel

- Office buildings
- Factories
- Schools, colleges and universities
- Hotels
- Hospitals
- Shopping centres
- Conference centres/exhibition venues
- Public transport hubs

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