CN-37

BLACKBODY FOR FEVER DETECTION WITH THERMAL TEMPERATURE CAMERAS

A REAL-TIME REFERENCE POINT FOR YOUR IR THERMOGRAPHY CAMERAS

With globalization, international trade and travelers are increasingly numerous, allowing viruses such as SARS, Avian Flu, Swine Flu, H1N1 or COVID-19 to spread very quickly. Most international transit locations such as airports are now equipped with **IR thermography cameras** to remotely assess the body temperature of travellers in real time. The aim is to detect any person whose body temperature is abnormally elevated.

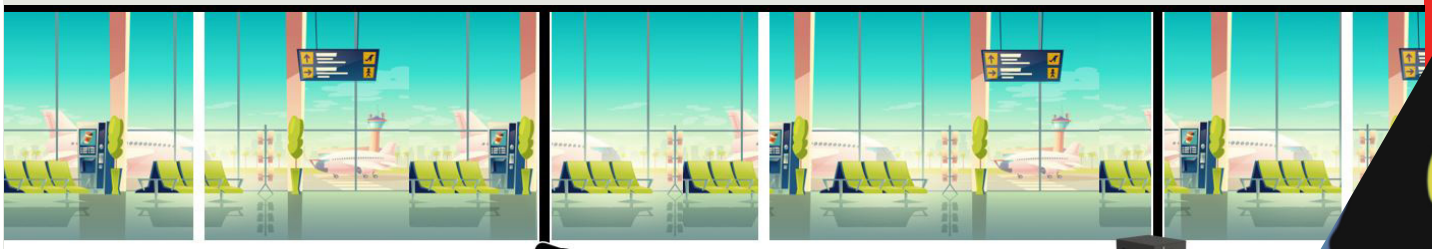
The accuracy of measurement is a key parameter in measuring the efficiency of detection of people with elevated temperature. HGH's **CN-37** has been specially designed for this purpose. It is fully compliant with the IEC 80601-2-59 standard. Compatible with all thermography cameras on the market, it provides a **real time reference point** to the IR camera, thus avoiding any error in temperature reading no matter the environmental conditions of the camera. To do this, the CN-37 is placed within the camera's field of view and serves as a reference point.

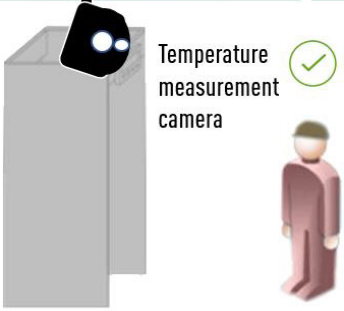
HGH is the first and only European company to manufacture and market this technology. An **International Primary Standards** traceable certificate of calibration is provided.

→ CN-37

Main applications :

- Real time reference point for fever systems
- Thermal camera calibration
- Thermometer calibration





CN-37 Blackbody
calibration source

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KEY FEATURES

- **Certificate of calibration** at human fever temperature
- **Compact** and robust design
- **High stability** of regulation

CN-37 CERTIFICATIONS

- **IEC 80601-2-59: 2019-10** standard compliant
- **Europe:** CE marking, EMC Electromagnetic Compatibility conformity (according to standards: EN 61326-1 of 2013, CFR 47 PART 15 of 2013, EN 61000-3-2 of 2018 & EN 61000-3-3+A1 of 2017), RoHS compliance (European Directive 2011-65-UE, modified 2017)
- **USA:** Compliance with part 15 of FCC rules, UL lab safety certification

TECHNICAL DATA

	CN-37
Emissive surface	100 mm x 100 mm
Temperature range	20°C to 70°C
Display resolution	0.01°C
Emissivity greater than...	0.96
Stability (including drift)	± 0.05°C
Radiance temperature expanded uncertainty	± 0.25°C between 33°C and 40°C
Power supply	110 -240 VAC compatible. 50/60 Hz.
Power consumption	About 30 W
Dimensions	H 210 mm x W 130 mm x D 110 mm
Weight	1.95 kg

International Primary Standards traceable through certificate of calibration.

Above information is subject to change without notice

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