

# CA 1900

## For measuring body temperature in health situations



**Detect any fever with our simple, quick,  
practical camera**

Ensure safety in your companies, office buildings,  
production sites, public buildings, airports, railway  
stations, shopping malls, etc.

**ACCURACY:** less than 0.5 °C

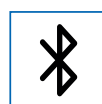
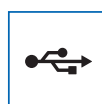
**QUICK:** instantaneous temperature detection

**NO CONTACT:** measurement from up to 1.5 metres away

**VISUAL AND AUDIBLE WARNINGS:** for any abnormally  
high temperature

**ALARMS:** fixed threshold or threshold based on the  
average of the people tested

**PRACTICAL:** tripod insert under the camera



*Measure up*



- Designed to detect any individual with high body and skin temperature, the **CA 1900** infrared camera guarantees measurement with an **accuracy below 0.5 °C**.
- The distance of 1.5 metres between the operator and the person tested means **you are not exposed to any risk**.

- The tripod insert supplied as standard under the **CA 1900 camera** makes it easy to **set up quickly**, whatever your environment.
- Skin or body temperature:** you can adjust the value of the temperature measured to compensate the difference between the 2 types of temperature.

## TECHNICAL SPECIFICATIONS

### DETECTOR

Dimensions	160 x 120
Type	UFPA microbolometer, 8 ~14 µm
Frequency	9 Hz
Sensitivity (N.E.T.D.)	60 mK @ 30 °C (0.06 °C @ 30 °C)
Measurement fluctuation	< 0.02 °C (in adaptive alarm)

### TEMPERATURE MEASUREMENT

Temperature range	+30 °C to +45 °C
Accuracy	± 0.5 °C @ 37 °C

### THERMAL IMAGING PERFORMANCE

Field of view	38° x 28°
IFOV (spatial resolution)	4.1 mrad
Focusing	Fixed
Minimum focal distance	30 cm
Real image	Yes (320 x 240 pixels)
Display mode	Thermal image, real image

### ANALYTICAL FUNCTIONS

Measurement tools	1 manual cursor + 1 for automatic hotspot detection + Isotherm
Alarms	<ul style="list-style-type: none"> <li>Adaptive alarm based on a temperature difference in relation to the average of the temperatures measured (up to 6 people)</li> <li>Alarm on overrun of a temperature threshold set by the operator</li> <li>Visual and audible indications of overruns (via the Bluetooth earpiece supplied)</li> <li>Compatibility with hands-free kits and Bluetooth speakers (profiles supported: HSP, HFP)</li> </ul>
Data storage	On a removable 2 GB micro-SD card (approx. 4,000 images), up to 32 GB possible
Image format	png (thermal and real images recorded simultaneously)

### PRESENTATION OF THE IMAGE

Adjustment	Automatic or manual adjustment of the palette's min / max
Freezing of image	Animated or fixed image
Display of the images	Multiple palettes including the rainbow with high contrast or black and white
Screen	2.8 inches

### POWER SUPPLY

Type	NiMH rechargeable batteries with low self-discharge
Recharging method	External (charger supplied)
Battery life	9 hours (in normal conditions of use)

### ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-15 °C to +50 °C (-4 °F to +122 °F)
Storage temperature range	-40 °C to +70 °C (-40 °F to +158 °F)
Humidity	10 % to 95 %
Compliance	EN 61326-1: 2006 / EN 61010-1 Ed. 2
Resistance to falls	2 metres on all surfaces
Shock resistance	25 G
Vibration resistance	2 G

### PHYSICAL SPECIFICATIONS

Mass / dimensions	700 g with rechargeable batteries / 225 x 125 x 83 mm
Interfaces	<ul style="list-style-type: none"> <li>USB link and Mass Storage function; the product is then recognized as a USB drive so that you can transfer the images easily</li> <li>Bluetooth for connectivity with earpiece</li> </ul>
Mounting on tripod	Yes, 1/4" insert on the camera

### GENERAL SPECIFICATIONS

Warranty	2 years
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## STANDARD STATE AT DELIVERY

The **CA 1900 camera** is delivered in a site-proof case with 4 NiMH batteries and battery charger,  
 1 micro SD HD card,  
 1 USB cable,  
 1 Bluetooth earpiece,  
 1 test report,  
 1 quick start guide



## TO ORDER

**CA 1900** thermal camera for measuring body temperature.....**P01651902**  
 Mains adapter..... **P01651533**

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