

Economic

VIDEO OUTPUT, SOUND & COLOUR ALARM

**TE-W100 Thermal imaging camera
for rapid screening human body temperature measurement**

—High cost performance /
flexible combination of temperature measurement methods

Body temperature correction, With blackbody
Color & Sound alarm, Video output

Application scenarios:

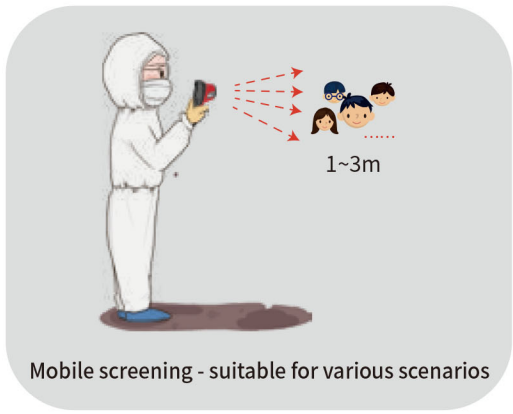
Office buildings / commercial complexes / subway stations /
factories / schools / enterprises / communities / banks /
hospitals and other places requiring temperature screening



Hand held temperature measurement

—Flexible temperature measurement occasions

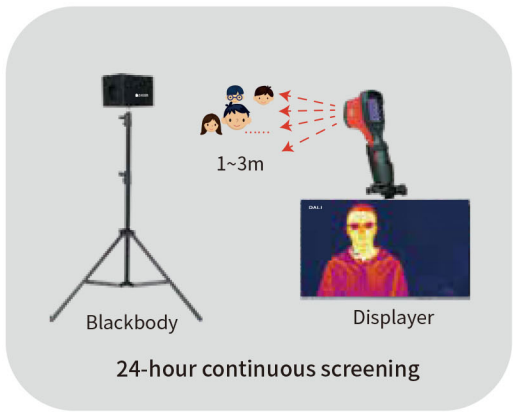
- Measurement accuracy: $\leq 0.5^{\circ}\text{C}$
- Non contact rapid screening
- Small size and light weight
- Rechargeable lithium battery



Fixed temperature measurement

—Real time black body calibration

- Measurement accuracy: $\leq 0.3^{\circ}\text{C}$
(With external blackbody)
- Non contact rapid screening
- Significantly improved stability





TE-W100 Thermal imaging camera for rapid screening human body temperature

Technical Specifications

| | | |
|-------------------------|---------------------------|---|
| Detector | Type | Uncooled FPA microbolometer |
| | Pixels | 160x120 |
| | Spectral range | 8-14 μ m |
| | Frame rate | 60 Hz |
| | NETD | 0.06 $^{\circ}$ C@30 $^{\circ}$ C |
| Lens | FOV | 28 $^{\circ}$ × 37 $^{\circ}$ |
| | Focal range | 0.2m~ ∞ |
| | Focus method | Fixed focus |
| Imager performance | Spatial resolution | 4.4mrad |
| | Visual camera | 120X120 |
| Image Display | LCD display | 3.2" TFT LCD, 240x320 |
| | Color palettes | 4 options including (Black-hot, white-hot, rainbow red-hot ,iron hot) |
| | Image display | Infrared image and visible light image can be quickly switched |
| | Image processing | Auto |
| Measurement | Temperature range | 20 $^{\circ}$ C~ +50 $^{\circ}$ C |
| | Accuracy | \leq 0.5 $^{\circ}$ C; \leq 0.3 $^{\circ}$ C (with black body) |
| | Temperature calibration | Auto |
| | Measurement mode | Central point, full screen highest/lowest temperature, temperature alarm (sound, color) |
| | Emissivity correction | Adjustable from 0.01 to 1.0 (in increments of 0.01) |
| Image Storage | Function setting | Date / time, temperature unit $^{\circ}$ C / $^{\circ}$ F / K, language |
| | Storage card | Built in 16GB memory card |
| | Storage method | Manual storage , single infrared frame |
| | Image format | BMP/DLV format, with original infrared measurement data |
| Power supply | Battery | Recharged Li-on battery |
| | Battery working time | Continuously working for 3 hours |
| | Charging method | USB |
| | Energy saving method | Auto sleeping , auto shut down |
| Interface | Power interface | USB Type-C |
| | Data transmission | USB Type-C |
| | Video output | Yes |
| | Tripod interface | Optional |
| Environmental parameter | Working temperature | 0 $^{\circ}$ C~+40 $^{\circ}$ C |
| | Storage temperature | -25 $^{\circ}$ C~+60 $^{\circ}$ C |
| | Moisture | \leq 90% Non-condensing |
| | Protection | IP54 |
| | Shock resistance | 30g, GB/T2423.5 (IEC60068-2-27) |
| | Vibration resistance | 2g, GB/T2423.10 (IEC60068-2-6) |
| | Drop resistance | 1.5m, GB/T2423.8 (IEC60068-2-32) |
| Safe code | EMC | In conformity to CE |
| | Toxic | In conformity to RoHS/PAH |
| Physical dimension | Size | 240 × 88 × 135mm (H × W × D) |
| | Weight (battery included) | 510g |

▲ The information contained in this document is subject to change without notice