

ThermalGlass Fused-Vision

ThermalGlass is an innovative hands-free device for thermal imaging, designed for professionals who demand precision and efficiency.

It integrates advanced Fused Vision™ technology to blend thermal imaging with visible light on a see-through display, enabling real-time interaction with the environment and faster problem-solving.

KEY FEATURES

- Fused Vision™ technology: overlays thermal data onto a see-through display for a clearer, more comprehensive view
- Real-time monitoring: continuous scanning with instant alerts for temperature anomalies
- Customisable thermal palettes: select colour palettes for optimal clarity across environments
- Edge detection precision: clearly defined object edges highlighted alongside thermal imaging for confident decisions in high-risk scenarios

TECHNICAL DATA

- **Thermal camera:** Frame rate up to 27 Hz; Resolution 240 × 320; FoV HFoV 18° / VFoV 24°; Microbolometer Uncooled Vanadium Oxide; Pixel pitch 12 microns; Spectral response 7.8–14 microns; Imaging range -40°C to 330°C.
- **RGB camera:** Frame rate 30 Hz; Resolution 4224 × 3136; Sensor size 1/3.06"; Pixel size 1.12 µm; EFL 3.81 mm, 650 nm with IR cut and auto-focus; DFOV 74.4°; HFOV 62.7°; VFOV 48.7°.
- **See-through display:** Resolution 480 × 640; Brightness > 2000 nits; Colour depth 24-bit colour; Configuration Right eye display.
- **Device:** Processor Qualcomm QCS610 Octa-core; RAM 2 GB; Storage 32 GB; OS Linux-based (custom); Language supported English; Wireless connectivity 5G and 2.4 GHz WiFi and Bluetooth; Port USB 3.0 Type-C; Sensors Ambient light sensor.
- **Power:** Battery capacity 2 × 500 mAh; Battery life up to 2 hours; Charging 5–12 V, 1 A.
- **Physical specifications:** Weight 200 g; Dimensions 196 × 219 × 50 mm.



PRIMARY APPLICATIONS

- Hands-free thermal imaging
- Fused thermal + visible scene assessment via see-through display
- Real-time monitoring with temperature anomaly alerts
- Edge-enhanced observation for high-risk decision-making