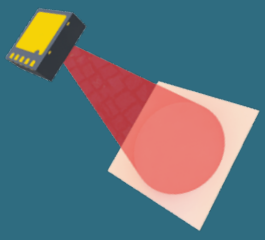
Temperature Sensor ICs

Accurate contactless temperature sensing is a key technology for wearables, digital health, and industrial applications. It plays a crucial role in smart building management, enabling energy-saving HVAC systems, and optimizing thermal comfort. It is also enabling additional features especially in wearables, where miniaturization is essential.



FIR single pixel

MLX90614, MLX90617, MLX90632, MLX90636



- **Contactless**: Accurate, non-invasive measurement
- **Ultra-compact**: Available in SMD (3x3x1mm^3) or CSP (1.8x1.8x0.75mm^3)
- **Robust**: High immunity to thermal gradients and transients
- **Versatile**: Offered in medical and commercial grades
- **Integrated**: Factory-calibrated complete system solution



Wearables & thermometers

FIR array

MLX90640, MLX90641, MLX90642

- **Affordable**: 32 x 24 or 16 x 12 px thermal imaging
- **Privacy first**: Identifies, counts, and locates people safely
- **Flexible**: Narrow and wide Field of View (FoV) options
- **Adcanced**: On-board temperature calculation with global shutter





Far InfraRed (FIR) : accurate contact-less temperature sensing

- **Digital Health & Wearables**: smart rings, watches, glasses, and thermometers
- **Smart Building & HVAC**: room temperature control, smart lighting, and early fire detection
- **Industrial Safety**: overheat monitoring for servers, batteries, and power electronics
- **Small Appliances & Cooking**: contactless sensing for induction cooktops and everyday appliances

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