

MSCAM1650M

Mobile LWIR Camera

NEW
PRODUCT

Applications

- Consumer Electronics
- Security and Surveillance
- Advanced Presence Detection
- Machine Vision



Technical Specifications

Sensor FPA	MS1650B, 160x120 FPA with 50 μ m detector pitch
Lens Options	F/1.3, no shutter included
Spectral Range	7.5 μ m – 13.5 μ m (LWIR)
Dimensions	30mm x 50mm x 15mm (h)
Weight	50g with optics
Electrical Power	< 300mW, USB powered
Electrical Interface	USB 2.0 compatible standard data stream
Camera Electronics	Sensor is directly wire bonded on the PCB Power regulators, low noise ADC, low power MCU
Frame Rate	Up to 9fps (may be limited by the connected mobile platform)
Video Signal Resolution	16 bits
Data Stream	16 bits resolution, frame/row tagging
Software	Available with advanced image processing capabilities and SDK
Platform	Compatible with most of the Android© powered mobile phones and tablets (version Android 4.1.1 and newer)
Availability	Tested samples will be available @ Q1/2016