

Applications

Automotive

Security and Surveillance

Advanced Presence Detection

Machine Vision

Consumer Electronics



Technical Specifications

Sensor FPA	MS0835A, 80x80 FPA with 35µm detector pitch
Lens Options	F/1.1 fixed focus LWIR lens, 45° diagonal FOV F/1.3 fixed focus LWIR lens, 120° diagonal FOV F/1.45 fixed focus LWIR lens, 120° diagonal FOV
Spectral Range	7.5µm – 13.5µm (LWIR)
Dimensions	20mm x 20mm x 12mm (h)
Weight	20g with F/1.3 optics
Electrical Power	< 300mW, USB powered
Electrical Interface	USB 2.0 compatible standard data stream
Camera Electronics	This product is using MSCC0835M camera core and MD-MSCC0835M module with USB-Power board
Frame Rate	Up to 9fps (may be limited by the connected mobile platform)
Video Signal Resolution	14 bits
Data Stream	16 bits resolution, frame/row tagging
Software	Available with advanced image processing capabilities and SDK
Platform	Most of the Android® powered mobile phones and tablets (version Android 4.1.1 and newer)
Availability	Cameras are available as engineering samples