

FLIR ISC0601B Micro-bolometer

25µm pixel IR sensor from i7 camera

Reverse Costing Analysis

Physical Analysis of the Device

Step by Step Reconstruction of the Process Flow

Cost of Manufacturing and Estimation of Selling Price

System Plus Consulting is proud to publish a *reverse costing* report on the micro-bolometer ISC0601B, 320x240 pixels supplied by FLIR.

Flir micro-bolometer technology is based on a vanadium oxide material, with micro-machined structures. Each pixel contains active membranes suspended at 2µm above the readout circuit.

This micro-bolometer is suitable for various applications including thermography, industrial inspection, Building & Renewable Energy, Border Security and coastal surveillance, automotive, etc.

This report provides complete teardown of the Flir ISC0601B sensor with:

- Detailed photos
- Material analysis
- Manufacturing Process Flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation

The micro-bolometer is part of the FLIR i7 thermal imaging camera. A reverse costing report on the i7 camera is available separately.

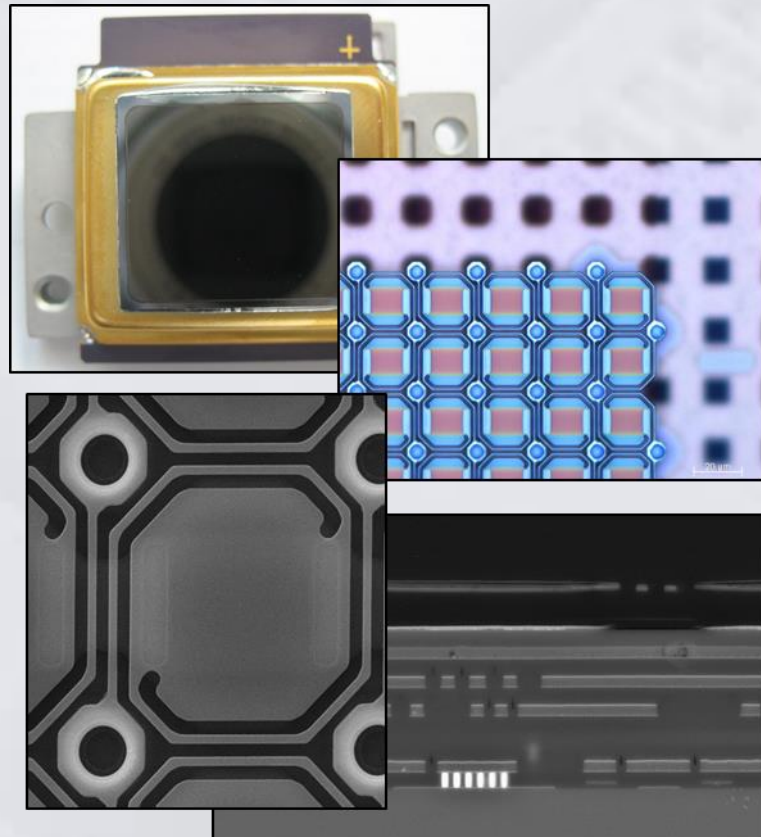


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