

University of Kerala
Department of Physics
Kariavattom Campus, Thiruvananthapuram – 695581, KERALA

EMI/003/2022

02/12/2022

Quotation Notice

Quotations are invited for purchasing Thermal Imaging (Infrared) Camera from **FLIR**, **FLUKE** for research purposes with the following specifications:

Type	Thermal imaging- Infrared Camera
IR resolution	240 x 180 pixels or better
Digital Camera	640 x 480 pixels
Thermal sensitivity	Should be less than 0.15 ⁰ C
Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (50°F to 95°F) and object temperature above 0°C (32°F)
Object Temperature Range	–20°C to 250°C (–4°F to 482°F)
Field of view (FOV)	45° x 34°
Image Modes	IR image, visual image, MSX, and thumbnail gallery
Display	3.0 in. 320 × 240 colour LCD
Image Frequency	9Hz or better
Minimum Focus Distance	0.5m or less
File format	JPEG, with 14-bit measurement data
Battery	Lithium-ion
Charger	Yes
PC compatibility	Windows, Mac
Wifi	Yes
USB port	Yes
Warranty	Minimum 2-year warranty on Digital camera Minimum 5-year warranty on Battery Minimum 10-year warranty on Thermal Sensor Array
Additional requirements	Should come with USB cable, hard transport case, charger.

Cost should be inclusive of the cost, freight, taxes, etc. The above product should be delivered to the Department of Physics, University of Kerala.

The quotes shall be addressed to Dr. Subodh G, Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram 695581. **Kindly submit the lowest quote for the above on or before 10/12/2022**

