



COLLEGE OF ENGINEERING KIDANGOOR
(Under Co-operative Academy of Professional Education, Govt. of Kerala)
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No:CEK/D/315/2022

Dated: 22.03.2022

QUOTATION NOTICE

Competitive quotations are invited from qualified firms for the supply of two numbers of **Thermal Imaging Camera** with specification mentioned below :

Serial no.	Name	Specifications		Quantity
1	Thermal Imaging Camera	Thermal pixel size	12 μm	2
		Thermal resolution	19,200 pixels (160 × 120)	
		Thermal sensitivity	70 mK	
		Object temperature range(s)	-20° to 120°C (-4°F to 248°F) 0°C to 400°C (32°F to 752°F)	
		Certifications	MF i (iOS version), RoHS, CE/FCC, CEC-BC, EN62133	
		Operating temperature	0°C to 35°C (32°F to 95°F), battery charging 0°C to 30°C (32°F to 86°F)	
		Non-operating temperature	-20°C to 60°C (-4°F to 140°F)	

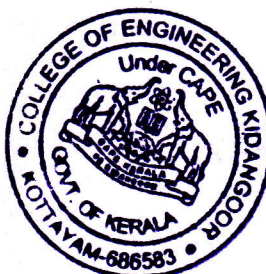
The last date and time for receiving quotations: 31-03-2022, 11.00 AM

Date and time for opening quotations: 31-03-2022, 12.30 PM

The rates of Govt Quotations are applicable for these quotations also. The decision taken in the matter by the undersigned will be final.

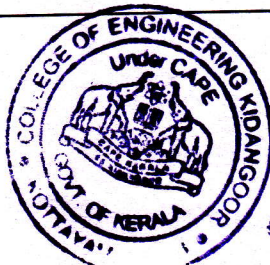

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Encl: Detailed specification of Thermal Imager is attached herewith



Thermal imager specifications

Thermal pixel size	12 μm
Thermal resolution	19,200 pixels (160 \times 120)
Thermal sensitivity	70 mK
Object temperature range(s)	-20°C to 120°C (-4°F to 248°F) 0°C to 400°C (32°F to 752°F)
Certifications	MF i (iOS version), RoHS, CE/FCC, CEC-BC, EN62133
Operating temperature	0°C to 35°C (32°F to 95°F), battery charging 0°C to 30°C (32°F to 86°F)
Non-operating temperature	-20°C to 60°C (-4°F to 140°F)
Size (w \times h \times d)	68 \times 34 \times 14 mm (2.7 \times 1.3 \times 0.6 in)
Weight (incl. battery)	36.5 g
Drop tested	Drop from 1.8 m (5.9 ft)
Spectral range	8 – 14 μm
Visual resolution	1440 \times 1080
HFOV / VFOV	50° \pm 1° / 43° \pm 1°
Frame rate	8.7 Hz
Focus	Fixed 15 cm – infinity
Measurement	
Accuracy	\pm 3°C (5.4°F) or \pm 5%, (59°F to 95°F) and the scene is within 5°C to 120°C (41°F to 248°F)
Emissivity correction	Matte, Semi-Matte, Semi-Glossy, Glossy
Measurement correction	Emissivity; Reflected apparent temperature (22°C / 72°F)
Shutter	Automatic/Manual
Power	
Battery life	Approximately 1 hr
Battery charge time	40 min
Video	Male Lightning (iOS), Male USB (Android)
Charging	Female USB (5V/1A)
App	
Image presentation modes	Infrared, visual, MSX®
VividIR	Yes
Palettes	Gray (white hot), Hottest, Coldest, Iron, Contrast, Arctic, Lava, and Color Wheel
Video and image capture	Video and photo, saved as 1440 \times 1080
File formats	Radiometric JPG, MPEG-4 (file format MOV (iOS), MP4 (Android))
Spot measurements	Hottest, Coldest, and 3 spot measurement
Adjustable MSX distance	0.3 m – infinity
Visual battery indicator	0-100%



[Signature]

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