

Sambalpur University
Jyoti Vihar, Burla-768019
Sambalpur, Odisha



ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ
ଜ୍ୟୋତି ବିହାର, ବୁର୍ଲା-768019
ସମ୍ବଲପୁର, ଓଡ଼ିଶା

(Accredited with Grade 'A' by NAAC)

No. 735 /SUIIT/2024-25/MRIP

Date: 24.06.2024

Short Quotation Call Notice (SQCN)

Sealed Quotation are invited from the intending firms/suppliers/authorized distributor for supply of one unit of "Digital Thermal Imaging Camera" of reputed brand such as FLIR/Bosch/Testo or its equivalent so as to reach the undersigned by Speed post/Courrier on or before 05.07.2024 by 3pm which will be opened on the same day at 4pm in presence of the authorized representatives of the bidder. The detailed terms and condition and minimum product specification required may be obtained from the University website i.e. www.suniv.ac.in. The University reserves the right to reject any or all quotation without assigning any reason thereof.

Memo No. 736 /SUIIT/2024-25/MRIP

Copy forwarded for information and necessary action to:

1. The Director, e-Gov with a request to upload the advertisement in the Sambalpur University website for wide circulation.
2. The Director, SUIIT with a request to upload the advertisement in the SUIIT website for wide circulation.
3. Notice Board of SUIIT and PGC Office, Sambalpur University.

Principal Investigator (MRI)
Sambalpur University Institute of
Information Technology (SUIIT),
Burla
Date: 24.06.24

Memo No. 737 /SUIIT/2024-25/MRIP

Copy forwarded for information and necessary action to:


1. The PA to Collector cum-DM, with a request to upload the above SQCN in the Notice Board for wide circulation.
2. The PA to Commissioner, SMC, Sambalpur with a request to upload the above SQCN in the Notice Board for wide circulation.
3. The PA to Director, IIM/VIMSAR, Sambalpur with a request to upload the above SQCN in the Notice Board for wide circulation.
4. The PA to Vice Chancellor of VSSUT/OSOU/GMU, Sambalpur with a request to upload the above SQCN in the Notice Board for wide circulation.

Principal Investigator (MRI)
Sambalpur University Institute of
Information Technology (SUIIT),
Burla
Date: 24.06.24

Principal Investigator (MRI)
Sambalpur University Institute of
Information Technology (SUIIT),
Burla

Terms and Conditions

1. EMD of Rs.500/- (Rupees Five Hundred) only to be paid along with the quotation in shape of Demand Draft Drawn from any nationalized bank in favour of "Principal Investigator, MRIP Project" which is refundable to unsuccessful quotationer after finalization of quotation.
2. The quotation without EMD will not be taken into Consideration.
3. Self-attested copy of GST and PAN must be enclosed along with the quotation.
4. Principal Investigator does not hold any responsibility, if there is any delay in postal delivery.
5. The work order will be placed to the firm quoting the less price as well meet the technical specification of the product as required for the project.
6. The quotation received in incomplete shape or after the scheduled date and time shall be summarily rejected.
7. Principal Investigator reserves the right to reject any or all quotation without assigning any reason thereof.
8. The Firms must go through the specification carefully and quote their offer by bifurcating the product price and the GST component separately.
9. Demonstration of the product with its warranty must be submitted to the office of Principal Investigator at the time of delivery of the product.
10. The quotation cover should be super scribed with "quotation for Supply of Digital Thermal Imaging Camera" and sent through Speed post/Courrier to "Dr. Prabira Kumar Sethy, Principal Investigator, MRIP Project, Department of Electronics, Sambalpur University, Jyoti Vihar, Burla-768019, Sambalpur, Odisha"


24/08/24
Principal Investigator, MRIP Project
Principal Investigator (MRI)
Sambalpur University Institute of
Information Technology (SUIIT),
Burla

SPECIFICATIONS

Imaging and optical data	
IR resolution	160 × 120 pixels
Digital image enhancement	Yes
Thermal sensitivity/NETD	<70 mK
Field of view (FOV)	57° × 44°
Minimum focus distance	0.3 m (0.98 ft)
Distance to spot ratio	24:1
Image frequency	8.7 Hz
Focus	Fixed
Focal plane array/spectral range	Uncooled microbolometer/7.5–14 μm
Detector pitch	12 μm
Image presentation	
Display resolution	320 × 240 pixels
Screen size	2.4 in. portrait
Color palettes	Iron, Rainbow, White hot, Black hot, Arctic, Lava
Image adjustment	Automatic
Image modes	MSX (Multi Spectral Dynamic Imaging) Visual with temperature reading
Gallery	Yes
Measurement and analysis	
Object temperature range	-25°C to 380°C (-13°F to 716°F)
Measurement accuracy	-25°C to 50°C (-13°F to 122°F): up to ±3°C (±7°F) 50 to 100°C (122 to 212°F): ±1.5°C (±3°F) or ±1.5% whichever is greater 100°C to 380°C (212°F to 716°F): ±2.5°C (±6°F) or ±2.5% whichever is greater
IR temperature resolution	0.1°C (0.2°F)
Repeatability of reading	±1% of reading or ±1°C (2°F), whichever is greater
Response time	150 ms
IR thermometer measurement	Continuous scanning
Minimum measurement distance	0.25 m (0.85 ft)
Type-K range	Included Type-K probe: up to 260°C (500°F)
Type-K accuracy	±(1.0% + 3°C (7°F))
Spotmeter	Center spot on/off

Set-up and service functions	
Set-up commands	Local adaptation of units, language, date, and time formats Screen brightness (high, medium, low) Gallery, deletion of images
Emissivity correction	Yes: 4 preset levels with custom adjustment of 0.1–0.99
Image storage and visual camera	
Storage capacity on 4 GB card	50,000 images
Image file format	JPEG w/ spot temp data
Digital camera resolution	2 MP (1600 × 1200 pixels)
Field of view (FOV)	71° × 56°, adapts to IR lens
Light and laser	
Flashlight	100 lumens LED, on/off option
Class 1 laser	Projects center spot and outlines circular measurement area to indicate size
Data communication interfaces	
Bluetooth*	BLE
USB	Type-C: data transfer, power
Additional data	
Battery type	Rechargeable 3.7 V Li-ion battery
Battery operating time	5 hrs scanning
Battery charging time	4 hrs to 90%
Power management	Adjustable: off, 5 min, 15 min, 30 min
Shock/vibration	25 g (IEC 60068-2-27); 2 g (IEC 60068-2-6)
Drop	Designed for 2 m (6.56 ft)
Weight	0.394 kg (13.9 oz)
Size (L × W × H)	210 × 64 × 81 mm (8.3 × 2.5 × 3.2 in)
Package contents	
Camera, wrist strap lanyard, USB cable, pouch, thermocouple, printed documentation	


 29/06/24
 Principal Investigator (MRI)
 Sambalpur University Institute of
 Information Technology (SUIT),
 Burla