

Tender Document for the Purchase of High Speed Camera:

Enquiry No: IITK/CHE/2021-2022/2/UGLAB-HIGH-SPEED-CAMERA

Bid Start Date: 20th Jan, 2022

Bid End Date: 31st Jan, 2022

Sealed quotations (Technical and Commercial in separate sealed envelopes) for local suppliers & quotations by email for international suppliers are invited for procurement of High Speed Camera with the specifications mentioned below. Technical as well as commercial quotations must be sent separately in properly sealed envelopes to the address mentioned below before 5:00pm of the due date. Quotations received after that time or in non-sealed envelopes will not be considered. Terms and conditions as well as detailed specifications are given below. Please contact us in case of doubts/clarifications.

Contact Details:

Dr. Naveen Tiwari/ Dr. Rahul Mangal
Department of Chemical Engineering, IIT Kanpur
Email: naveent@iitk.ac.in, mangalr@iitk.ac.in
Telephone No: +91-512-2596751

Technical Specifications for High Speed Camera:

Sr. No	Item	Description of Requirement
1	Image Sensor Resolution	1280*1024 or better
2	Frame rate range at Full Resolution	1000 FPS or better
3	Memory	32 GB or better
4	Image Sensor Speed	1.4 Gpx/s, 1.3-megapixel image sensor or better
5	Image Sensor Dimension	2/3" or better
6	Color or Monochrome	Color
7	Pixel Pitch	6.6 μ m or better
8	Dynamic Range	56.7 dB or better
9	Exposure Range	1/fps to 1 μ s or better
10	Recording Time	16 Seconds (32 GB) or better
11	Lens Mount	CS/C mount (Adaptor should be included)
12	IR Filter	650nm, User Removable
13	Display	5", 800*480 (or better) capacitive touchscreen, 1000 nit daylight visible
14	Cooling	Active Cooling, Variable Speed Fan or better
15	Video Format	Industry Standard mp4 (MPEG-4) files, TIFF
16	Recording Modes	Normal, Segmented, Gated Burst, Live Slow Motion
17	Environmental	-20 °C to + 40 °C or better
18	Warranty	1 yr manufacturer's warranty+ 3yrs (extended warranty)
19	Accessories	a) Godox SL-200 W II LED Light b) Lenses: Computar 12.5-75mm f/1.2 zoom lens

Terms and Conditions:

1. All equipment must be compatible with Indian electrical standards and codes. Engineering documentation on the physical sizes and weights of all major and minor components must be submitted.
2. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
3. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate).
4. The Institute reserves the right of accepting or rejecting any/all quotations without assigning any reason thereof.
5. Prices should be Ex-Works/FCA country of origin/CIF New Delhi separately
6. Payments terms: As per IIT Kanpur Norms.
7. The bidder should be either OEM or his authorized dealer/distributor having its registered office in India to provide sales, 24x7 support.
8. Equivalent (or better) hardware/software can be allowed at the discretion of IIT Kanpur. However, in such cases, the bidder must provide sufficient justification for the deviation from the specifications given here.
9. Terms and conditions should be clearly mentioned in the technical bid. The deviations should be clearly stated with proper justifications with the signature of the responsible person.
10. IIT Kanpur has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.
11. Upon request, the bidder must provide contact details of in charges of at least five laboratories in India or abroad where they have supplied an identical system. Bid may be disqualified if a positive feedback is not received from some/all of the provided contacts.
12. Maximum educational discount should be offered and mentioned.
13. Quotations should be valid for a minimum period of 3 months.