

Indian Institute of Technology, Kanpur
Department of Aerospace Engineering



Inquiry no: AE/ACM/2016/CCD
Date of Opening: February 26, 2016
Date of Closing: March 7, 2016

Subject:

Sealed quotations for the supply of *CCD Camera for PIV applications* are requested as per the following specifications.

Specifications:

Application:	Particle Image Velocimetry (PIV)
Dynamic range A/D:	≥ 12 bit, Monochrome
Minimum Resolution:	8 Megapixels
Pixel size:	$< 6\mu\text{m}$
Quantum efficiency:	$> 48\%$ @ 532 nm
Operational mode:	Single and double frame modes
Maximum frame rate:	≥ 10 fps (at full resolution in double frame mode)
Exposure time:	should be adjustable, minimum: $5\mu\text{s}$ or less
Inter framing time:	400 ns or less
Triggering:	The camera should have an option of external triggering using a TTL signal.
Software:	Software for controlling the camera (like exposure time, trigger mode, resolution, single or double frame modes, pixel binning, ROI, acquiring and saving images to a hard disk etc.)
Camera interface:	Please include necessary hardware for camera interface such as frame grabbers, connecting cables etc.
Optical interface:	F-mount
Operating temperature & humidity:	10°C to 45°C & 10% to 90% RH.

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Notes:

1. All quotations must reach the undersigned by **07 March 2016**.
2. A copy of authorization letter is to be submitted from OEM.
3. Quotation must be valid for 60 days.
4. Desired warranty period: at least 2 years.
5. All the technical details should be attached along with the quote.
6. Please include any other required accessories, power supply, cables (of length atleast 3m) etc.
7. Include maximum educational/academic discounts, if any.
8. The quote of the product must include the freight charges up till IIT Kanpur and must be in terms of CIP New Delhi.

Address for the quotation:

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