



**University of Calcutta**  
**Dept. of Computer Science and Engineering**  
**Technology Campus**  
**JD-2, Sector III, Salt Lake City, Kolkata, West Bengal 700106.**

**Tender Notice**

Enq No.: CS/02/ENQ/DRDO/17-18

Date: 21/11/2017

To  
The All Interested Parties

Dear M/s.

Please submit sealed quotation within **7 days** at the Office of the Department of Computer Science and Engineering for the following item.

**Technical Specification**

<b>Camera</b>		
1.	Resolution (H×V pixels)	1920×1200
2.	Sensor Vendor	ON semiconductor
3.	Sensor Size (optical)	2/3"
4.	Sensor Technology	CMOS, Global shutter
5.	Pixel Size [ μm <sup>2</sup> ]	4.8×4.8
6.	Frame Rate [fps]	150
7.	Mono/Color	Color
8.	Video Output Format	Mono (8, 10, 12, 10 Packed, 12 Packed), YCbCr 422_8, Bayer (8, 10, 12), RGB 8, BGR 8
9.	Interface	USB 3.0
10.	Synchronization	Via external trigger or free-run
11.	Exposure Control	Via external trigger or programmable via the camera API
<b>Mechanical /Electrical</b>		
12.	Housing Size (L×W×H)	29.3mm×29mm×29mm
13.	Housing Temperature	Up to 50 °C
14.	Lens Mount	C mount
15.	Digital I/O	1 opto-isolated input + 1 opto-isolated output + 2 Fast-GPIO (configurable as In/Out)
16.	Power Requirements	Via USB 3.0 interface
17.	Power Suspend Mode	Yes, less than 0.02 W, configurable
18.	Power Consumption	~3W
19.	Weight (typical)	<80 g
20.	Mechanical/Electrical Conformity	CE, FCC, IP30, RoHS, UL (in preparation for acA1300-200um/uc, acA1920-40um/uc, acA1920-150um/uc)
<b>Software Environment</b>		
21.	Driver	OEM Camera Software Suite or 3rd party USB3 Vision Software
22.	Operating System	Windows, Linux, Solaris – (32 bit and 64 bit)
23.	Software Conformity	USB3 Vision, GenI Cam

**Eligibility Criteria:**

- a. The Bidder should have been in the business of providing annual maintenance services for SUN server and Solaris operating system network at least one Govt./Public sector unit at an single annual order annual value of not less than rupees ninety thousand in the past three years.
- b. The Bidder necessary to submit documentary evidence (such as purchase order, etc.) of at least one or two Annual Maintenance Contracts (AMCs) executed in the last three years.
- c. The Bidder should have experience about Image Processing Application installation and implementation under Solaris and CentOS using various servers (specifically high end servers like Sun Solaris, CentOS Itanium and Xeon processor 64bit servers).
- d. Bidder must be have experience Solaris Support Personnel.
- e. Bidder must not be blacklisted at CU or any Government Organization.
- f. Minimum Turn Over 20 Lacks last year.
- g. Technical Catalogue/Brochure should be enclosed without fail for quoted equipment /devices.
- h. Enclose photo copies of Trade License / PAN / ST / VAT / GST Registration Certificate.
- i. Account No of Bank of the bidder.
- j. IFS code of Bank of the bidder.
- k. Please note that Dept. of Computer Science and Eng. (CU) reserves the right to select the Vendor for placing Work Order and lowest quotation does not guarantee selection of bidder.

**For**  
**Dr. Banani Saha,**  
**Associate Professor,**  
**Department of Computer Science and Engineering**  
**University of Calcutta**