

Instrument Design Development Centre Indian Institute of Technology Delhi

Date: 02/01/2013

Sub: NOTICE FOR INVITING QUOTATIONS (NIQ) FOR Data Acquisition card with all accessories, labview (Image analysis tool/vision builders etc.) and compatible CCD/CMOS camera.

Instrument Design Development Centre, IIT New Delhi requires Data Acquisition card with all accessories, labview (Image analysis tool/vision builders etc.) and compatible CCD/CMOS camera. All the three components once interfaced should form a standalone workable system requiring no additional hardware/software. Broad specifications of these are described below. Kindly send Technical and commercial bids in the separate sealed envelopes. Your bids must reach the address given below on or before **18-01-2013**

S.NO	Name of the item	Specifications																												
1	PCIe compatible Image acquisition board	<p>Image acquisition board should be with</p> <p>General specifications as :</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">a) Product</td> <td>Frame grabber</td> </tr> <tr> <td>b) Operating System</td> <td>Windows XP/Vista/7/8</td> </tr> <tr> <td>c) Included Vision Software</td> <td>Vision Acquisition Software</td> </tr> <tr> <td colspan="2">d) To be installed on a PCIe slot of a desktop computer running on Windows</td> </tr> </table> <p>Camera connectivity:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">e) Camera Interface</td> <td>Camera Link</td> </tr> <tr> <td>f) Number of Camera Input Ports</td> <td>2</td> </tr> <tr> <td>g) Camera Link Configuration</td> <td>Full</td> </tr> </table> <p>Frame Grabber:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">h) On-Board Memory</td> <td>~512 MB</td> </tr> <tr> <td>i) Real time system integration bus</td> <td>Yes</td> </tr> <tr> <td>j) Dual-Base configuration Support</td> <td>No</td> </tr> <tr> <td>k) Camera Link Connector Type</td> <td>Standard (MDR)</td> </tr> <tr> <td>l) Pixel Clock Frequency Range</td> <td>20 MHz-85 MHz</td> </tr> <tr> <td>m) Power over Camera Link compatibility</td> <td>Yes</td> </tr> <tr> <td>n) Total Power Supplied for Cameras</td> <td>4W</td> </tr> </table> <p>Maximum trigger rate : 2MHz</p> <p>Physical Specifications: Length : ~ 17.5 cm Width : ~ 10.7 cm Operating temperature range: 0°C -50°C</p>	a) Product	Frame grabber	b) Operating System	Windows XP/Vista/7/8	c) Included Vision Software	Vision Acquisition Software	d) To be installed on a PCIe slot of a desktop computer running on Windows		e) Camera Interface	Camera Link	f) Number of Camera Input Ports	2	g) Camera Link Configuration	Full	h) On-Board Memory	~512 MB	i) Real time system integration bus	Yes	j) Dual-Base configuration Support	No	k) Camera Link Connector Type	Standard (MDR)	l) Pixel Clock Frequency Range	20 MHz-85 MHz	m) Power over Camera Link compatibility	Yes	n) Total Power Supplied for Cameras	4W
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2	CMOS camera compatible with Image acquisition board	Resolution: 2048 x 1088 pixels Pixel size: 5.5 μm x 5.5 μm Frame rate: 340 fps Monochrome Interface: Camera link (should provide minimum delay and jitter times for application requiring strict imaging) Housing temperature range: 0°C -50°C																												
3	LabVIEW Software	LabVIEW software should have wavelet filtering toolbox along with its standard core features																												

Note: *The quoted camera, image acquisition card along with LabVIEW software should serve the purpose of image acquisition and processing. Image analysis tool/vision builder etc. is required for our application.*

Terms and conditions covering submission of quotations:

- Supply all technical specifications and model number.
- Kindly quote the rates for F.O.B New Delhi prices.
- Validity of the quotation should be at least for a period of three months.
- Clearly indicate whether the prices are inclusive of all taxes. Otherwise indicate all taxes separately.
- Letter from manufacturer to be attached for authenticity of dealership/agency.
- The technical and financial bids should be sealed in separate envelopes before putting them together in the sealed cover.
- Payment terms: Letter of credit OR Payment against delivery (Wire Transfer after receipt of item).
- IIT Delhi reserves rights of acceptance or rejection of any or all quotations.
- Quotations should be sent to

Quotations should be sent to

Prof. Chandra Shakher
Instrument Design Development Centre, IIT Delhi
Hauz Khas, New Delhi -110016, India