



भारतीय समुद्री विश्वविद्यालय
INDIAN MARITIME UNIVERSITY
(पत्तन, पोत परिवहन और जलमार्ग मंत्रालय के अधीन एक केंद्रीय विश्वविद्यालय)
(A Central University under the Union Ministry of Ports, Shipping and Waterways)
कोच्चि परिसर/KOCHI CAMPUS



IMU/KoC/P/CCTV/16/2016 /146

17.02.2024

Sub: Notice inviting sealed quotation for purchase of Network Video Recorder for the CCTV systems at IMU Kochi Campus- Reg.

Indian Maritime University, Kochi Campus is inviting sealed quotations for 2 nos. of Network Video Recorder for the CCTV systems at IMU Kochi Campus. The details of NVR required along with specification are listed below.

Requirement: - NVR (Network Video Recorder) - 2 nos. of Hikvision

Detailed specification is given below:-

Video and Audio	
Make and model	HikVision
IP video input	16-ch, up to 32 MP resolution After ultra HD resolution mode is enabled, the NVR supports up to 4-ch 32 MP/24 MP IP video inputs.
Incoming bandwidth	160 Mbps
Outgoing bandwidth	256 Mbps
HDMI 1 output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video output mode	HDMI1/VGA simultaneous output, HDMI2/VGA independent output
CVBS output	1-ch, BNC (1.0 Vp-p, 75Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio output	10-ch, RCA (Linear, 1KΩ)
Two-way audio input	1-ch, RCA(2.0 Vp-p, 1KΩ, using the audio input)
Decoding	
Decoding format	H.265+/H.265/H.264+/H.264/MPEG4
Recording resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF



South End Reclamation Area, NH 966-B, Near Alexander Parambithara Bridge
Matsyapuri P. O., W. Island, Kochi - 682 029, Tel: 0484-2989402
E-mail: kochicampus@imu.ac.in, Web: www.imu.edu.in

Synchronous playback	16-ch
Capability	1-ch@32 MP (30 fps)/2-ch@12 MP (20 fps)/4-ch@8 MP (25 fps)/8-ch@4 MP (30fps)/16-ch@1080p (30 fps)
Dual stream recording	Support
Stream type	Video, Video & Audio
Audio compression	G.711ulaw/G.711alaw/G.722/G.726
Network	
Remote connections	128
Network protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary Interface	
Serial port	1 RS-485 (half-duplex), 1 RS-232
SATA	4 SATA interfaces
eSATA (optional)	1 eSATA interface
Capacity	Up to 10 TB capacity for each disk
Alarm in/out	16/4 (16/8 optional)
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
General	
Power supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 20 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimension (W × D × H)	445 × 400 × 75 mm (17.5"× 15.7" × 3.0")
Weight (without HDD)	≤ 5 kg (11 lb)
Certification	
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

The above is the minimum specification required for NVR.

Terms & Conditions

1. Quotation should have a validity of 120 days from the opening of quotations.
2. Rate quoted should be inclusive of GST and all other charges including delivery and installation charges.
3. Delivery and installation of the items should be completed within 30 days from the date of issue of purchase order.
4. GSTIN of IMU Kochi Campus is 32AAAAI2610K1Z6
5. IMU Kochi Campus reserves the right to accept in part or full any quotation (s) or reject any or more quotation (s) without assigning any reason or to cancel the process and reject all quotation (s) at any time prior to award of purchase order, without incurring any liability, whatsoever to the affected bidder (s).
6. Format & signing of quotation: The quotation submitted should be duly signed by the dealer. All pages of the quotations shall be signed and stamped by the persons authorised for signing the quotation. The quotation shall be submitted sealed properly.
7. Sealed quotations will be opened & evaluated & purchase order shall be placed to the bidder who has quoted the lowest rate without any condition.
8. The submission of tender shall be taken as the explicit acceptance of all terms and conditions stipulated herein.
9. No request for change in rates once quoted / accepted will be entertained for any reason during the currency of the contract. The rates of the contract shall be firm, fixed and final and binding on both the parties.
10. Payment will be made after satisfactory delivery and installation of the items at IMU Kochi Campus, South End Reclamation Area, NH-966B, Near Alexander Parambitara Bridge, Matsyapuri P O, W. Island, Kochi- 682 029, Tel- 0484 2989402.

Annexure I

Format for price quotation

Quotation for purchase of 2 nos. of Hikvision makes NVR:

Name and address of the party:

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Mobile No:

Email id:

GSTIN:

Quotation No. IMU/KoC/P/CCTV/16/2016

dated:

Price Quote

Name of the Item	Quantity required (A)	Rate per unit (Rs.) in figures (B)	Total Value (C) = (A)x(B)
HikVision 16-ch NVR	2		
Add GST			
Total cost			

Total value quoted is Rs. (total of column C) (in words): _____

Name & Signature of the bidder

Date:

Complete address & mobile no. of the bidder