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DESCRIPTION: **Requirement Of NVR (Network Video Recorder) - IBA Main Campus**
 DATE OF ISSUE: 07 APRIL 2017
 DATE OF SUBMISSION: 12 APRIL 2017
 PLACE OF WORK: IBA MAIN CAMPUS
 CONTACT PERSON: Manager Security

S#	Items	Qty	Brands	Rates	Amount (Rs.)
1.	<p>Key Features</p> <ul style="list-style-type: none"> ● 16/32-channel input ● Third-party IP cameras supported with ONVIF conformance ● Support 2-ch HDMI, 1-ch VGA, HDMI2 at up to 4K(3840x2160) resolution ● Up to 12 Megapixels resolution recording ● Support H.265/H.264 video formats ● Accurate retrieval, instant playback ● 4 SATA HDDs, Up to 8TB for each HDD ● Support various VCA detection alarm and VCA search ● Support for P2P, UPnP, NTP, DHCP, PPPoE ● Support for mobile client access <p>Specifications:</p> <p>Video/Audio Input IP Video Input 16-ch 32-ch Two-way Audio Input 1-ch, RCA</p> <p>Network Incoming bandwidth 160Mbps 320Mbps Outgoing bandwidth 320Mbps Remote connection 128</p> <p>Video/Audio Output HDMI/VGA Output HDMI1/VGA: 1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz HDMI2: 4K (3840x2160) /60Hz, 4K (3840x2160) /30Hz, 1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz Audio Output 1-ch, RCA Recording Resolution 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF /CIF Synchronous Playback 16-ch</p> <p>Decoding Compression H.265/H.264 Live view/ Playback 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF /CIF Capability 4 x 12MP@20, 4 x 4K@30, 8 x 4MP@20, 16 x 1080p@25, 32 x 720p@25</p> <p>Hard Disk SATA 4 SATA interfaces Capacity up to 8TB for each HDD</p> <p>External Interface Network Interface 2 RJ-45 10M/100M/1000M self-adaptive Ethernet Interfaces Network Function HTTP, TCP/IP, IPV4, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Server, P2P Serial Interface 1 x RS-485</p>	02 IN No's	UNV / HIK vision or equivalent		

	USB Interface Front panel: 1 x USB2.0 Rear panel: 1 x USB2.0, 1 x USB3.0 Alarm In 16-ch Alarm Out 4-ch General Power Supply 12V DC Consumption (without HDD) ≤ 12 W Working Temperature -10°C ~ + 55°C (+14°F ~ +131°F) Working Humidity 10% ~ 90% Dimensions 44 × 440 × 344mm (1.7" × 17.3" × 13.5") Weight (without HDD) ≤ 3.14 Kg (6.92 lb)				
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Terms and Conditions:

- Material / quantities of this order is subject to final inspection at the time of delivery and calculations
- IBA reserve the right to cancel any or all of the above the above items if work / material is not in accordance with Our specifications
- Payment will be made through crossed cheque after the receipt of the bill and delivery of material/works
- Penalty @ of 2 % per month on actual will be imposed in delayed delivery
- The rate / item cost is final and no change what so over will be accepted
- Govt tax (es), levy (ies) and charges will be charged at actual as per SRO
- Competent Authority reserves the right to change / alter / remove any item or article reduce / enhance quantity without assigning any reason
- Invoice / Bill & work order etc should be submitted to Finance Department
- Advance Payment subject to Bank Guarantee preferably National Bank of Pakistan
- No subletting in any case / items / form will be allowed
- That upon termination of this agreement the contractor shall be permitted to remove all its devices and equipment which may have been placed at premises from the time to time
- All Government taxes (including income tax and stamp duty), levies and charges will be charged as per applicable rates / denomination of work order
- Stamp Duty against total value of work order will be levied accordingly.