



अखिल भारतीय आयुर्विज्ञान संस्थान , बिलासपुर  
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AIIMS/BLS/H(09)/EE/Elect./24- 68

Date-09-12-2024

## **CORRIGENDUM**

For the Providing Dome Camera in Radiotherapy facility at AIIMS Bilaspur, HP

This is to notify to all concerned that the tender for the **Providing Dome Camera in Radiotherapy facility at AIIMS Bilaspur, HP** has been amended as follows:

1. IP IR fixed 5 MP wide angle cameras Specifications as per **Annexure-A**

All other terms and conditions of the tender remains same as per order No. AIIMS/BLS/Engg/EE/ Elect. /NIQ/003 on dated 07-12-2024.

  
Executive Engineer (Electrical)  
AIIMS Bilaspur

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## Annexure-A

IP IR fixed 5 MP wide angle cameras		
S/No.	Feature	Specifications
1.	Image Sensor	1/2.8" progressive scan RGB CMOS or better
2.	Operating Frequency	50 Hz
3.	Day/ Night Operation	Yes with Built in IR Cut Filter
4.	Minimum Illumination	Color: 0.19 lux at 50 IRE, F2.0 B/W: 0.04 lux at 50 IRE,F2.0 0 lux with IR illumination on
5.	IR Illumination	Built in Or External Optimized IR with 40 meter range
6.	Lens	2.8 mm, Fixed Iris, F2.0
7.	Field of View	Horizontal field of view:H:93° or better
8.	Electronic Shutter	1/8 ~ 1/32,000s or better, 1/8 ~ 1/32,000
9.	Image Resolution	2592x1944 or better
10.	Compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile
11.	Frame Rate and Bit Rate	30 FPS at all resolutions with Controllable Bit Rate/ Bandwidth and Frame Rate
12.	GOP/ GOV	Ability to change the GOP/GOV Length to optimize the bandwidth and storage
13.	Compression	The camera shall for its H.264 implementation support scene adaptive bitrate control, in order to lowering bandwidth and storage requirements. The camera shall support automatic dynamic GOP for optimal bitrate utilization. The camera shall support automatic dynamic ROI to reduce bitrate in unprioritized regions.
14.	Multi View Streams	Up to 2 individually cropped out view areas
15.	Video Streams	Minimum 3 Streams @ H.264, 5MP, 25 fps
16.	Motion Detection	Yes built in with multiple configurable areas in the video stream
17.	Intelligent Analytics	The Camera shall be able to Include or Exclude any area of any size/ dimension within the scene in order to Eliminate False alarm and also optimize the bandwidth and storage
18.	Pan Tilt Zoom	Digital PTZ
19.	Aspect Ratio	16:9 or 9:16 without change in image quality or change in Image
20.	Electronic Exposure & Control	Automatic/ Manual
21.	Wide Dynamic Range	120 dB
22.	Privacy Masks	Required
23.	Event Triggers	Intelligent Video, Edge Storage Events, Software Alarms, Camera Tampering
24.	Event Actions	File upload: FTP, SFTP, HTTP, HTTPS, network share, email Notification: email, HTTP, HTTPS, TCP, SMTP Video recording to edge storage Send video clip Pre- and post-alarm video buffering Overlay text



25.	Edge Storage	Built in SD card slot with support upto 64 GB with Class 10 speed and Support for SD card encryption
26.	Storage	The Cameras shall be compatible with existing recording / Software
27.	Protocols	IPv4, IPv6 USGv6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3, (MIB-II), DNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, MQTT, IPv4, IPv6, TCP / IP, HTTP, HTTPS, RTSP / RTP / RTCP, IGMP / Multicast, SMTP, DHCP, NTP, DNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
28.	Text Overlay	Date & time, and a customer-specific text, camera name, graphical image etc
29.	Security	Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS) network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware, secure boot
30.	Firmware Upgrade	The firmware upgrade shall be done through web interface, The firmware shall be available free of cost
31.	Logs	The camera shall provide minimum 200 logs of latest connections, access attempts, users connected, changes in the cameras etc
32.	Memory	256 GB
33.	Interface	RJ 45, 100 Base TX
34.	Enclosure	IP66 and IK08-or better rated
35.	Power requirements	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Max.: 9 W
36.	Operating Temperature	-30°C to 50°C
37.	Operating Humidity	Humidity 10–100% RH (condensing)
38.	Certification	UL, CE, FCC, BIS, RoHS
39.	Analytics	Motion Detection, Tampering, Loitering, Advance motion detection, virtual tripwire, The camera shall provide a platform allowing the upload of third party applications into the camera
40.	Application Programmers Interface	The interface shall be available for integration with 3rd party analytics and applications in public domain
41.	Mount	Wall/ Ceiling/ Surface
42.	Onvif S, G	Required Onvif S,G,T,M (T Profile must have secure streaming Yes)
43.	NDAA Compliant	The proposed camera should be NDAA compliant.
44.	Chipset/Processor	The Camera to be provided by the bidder should not have Hisilicon chipset/Processor.
45.	Active alerts on 3rd party devices	The camera should send trigger via HTTP/HTTPS for alerts
46.	Warranty	3 Years OEM warranty

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