

West Bengal Electronics Industry Development Corporation Limited

Webel Bhavan, Block - EP & GP, Sector V, Bidhan Nagar, Salt Lake, Kolkata - 700 091

Phone : +91 33 2339 2234/228/226/327/316 • Fax : +91 33 2357 1739/1708 • e-mail : contact@webel-india.com

CIN : U52209WB1974SGC029237

TECH-CORRIGENDUM: I

Notice Inviting e-Tender No. WEBEL/EOT/COM/21-22/00043 Dated: 24.11.2021

FOR. Supply of CCTV including 90days recording backup with NVR at National University of Juridicial Science.

Revised Spec

CAMERA Indoor Bullet (TYPE-I)		
Sl. No.	Technical Specification :	
OFFERED MAKE & MODEL:		
1	Image Sensor	1/2.7" Progressive Scan CMOS
2	Min. illumination	0.008 Lux@F1.6 or better
3	Preferred recording Resolution	5MP (2592×1944) @ 20fps or better
4	Day & Night	IR Cut Filter
5	Shutter speed	1/3 s to 1/100,000 s
6	Digital Noise Reduction	3D DNR
7	WDR	120dB True WDR
8	Lens	2.8 mm / 3.6 mm or better as per site requirement
9	IR range	min. 30m IR or higher
10	Streaming Type	Should Support at least Dual Stream or better
		Main : 1fps~25fps(2592×1944, 2688×1520, 1920×1080) or better
		Sub : 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps) or better
11	Video Compression	H.265,H.264, H.264+,H.265+
12	Bit Rate Control	CBR/VBR
13	Scalable Video Coding (SVC)	H.264 and H.265 encoding
14	Environment Noise Filtering	Required
15	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI (5 fixed regions for main stream and sub-stream), Auto-White Balance
16	Image settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser

17	SNR	≥ 52 dB
18	Day/Night Switch	Day, Night, Auto, Schedule
19	Image Parameters Switch	Yes
20	Target Cropping	Yes
21	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, SSL/TLS, PPPoE, ARP
22	API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), SDK
23	Simultaneous Live View	6 channel
24	User Host	at least 20 users. 3 user levels: administrator, operator and user
25	Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS.
26	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
27	Preferable analytics	Line crossing detection, intrusion detection, Motion detection, video tampering, Scene change detection, audio exception detection, Face capture
28	Event Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning
29	Ethernet Port	1 x RJ45 10M/100M Ethernet port
30	Power Output	12 VDC, max.
31	General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, pixel counter
32	Power Supply	DC12V, PoE (802.3at /af)
33	Operating Conditions	-30° C ~ + 60° C
34	Ingress Protection	IP67 Ingress Protection
35	Certifications	CE/ FCC/UL/BIS

Camera & NVR should be from same OEM for smooth integration.

CAMERA Outdoor DOME (Type-I)

Sl. No.	Technical Specification :	
OFFERED MAKE & MODEL:		
1	Image Sensor	1/2.7" Progressive Scan CMOS
2	Min. illumination	0.008 Lux@F1.6 or better
3	Preferred recording Resolution	5MP (2592×1944) @ 20fps or better
4	Day & Night	IR Cut Filter
5	Shutter speed	1/3 s to 1/100,000 s
6	Digital Noise Reduction	3D DNR
7	WDR	120dB True WDR
8	Lens	2.8 mm / 3.6 mm or better as per site requirement
9	IR range	min. 30m IR or higher
10	Streaming Type	Should Support at least Dual Stream or better

		Main : 1fps~25fps(2592×1944, 2688×1520, 1920×1080) or better Sub : 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps) or better
11	Video Compression	H.265,H.264, H.264+,H.265+
12	Bit Rate Control	CBR/VBR
13	Scalable Video Coding (SVC)	H.264 and H.265 encoding
14	Environment Noise Filtering	Required
15	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI (5 fixed regions for main stream and sub-stream), Auto-White Balance
16	Image settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
17	SNR	≥ 52 dB
18	Day/Night Switch	Day, Night, Auto, Schedule
19	Image Parameters Switch	Yes
20	Target Cropping	Yes
21	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, SSL/TLS, PPPoE, ARP
22	API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), SDK
23	Simultaneous Live View	6 channel
24	User Host	at least 20 users. 3 user levels: administrator, operator and user
25	Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS.
26	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
27	Preferable analytics	Line crossing detection, intrusion detection, Motion detection, video tampering, Scene change detection, audio exception detection, Face capture
28	Event Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning
29	Ethernet Port	1 x RJ45 10M/100M Ethernet port
30	Power Output	12 VDC, max.
31	General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, pixel counter
32	Power Supply	DC12V, PoE (802.3at /af)
33	Operating Conditions	-30° C ~ + 60° C
34	Ingress Protection	IP67 Ingress Protection, IK10
35	Certifications	CE/ FCC/UL/BIS

Camera & NVR should be from same OEM for smooth integration.

CAMERA Outdoor Bullet (Type-I)

Sl. No.	Technical Specification :	
OFFERED MAKE & MODEL:		
1	Image Sensor	1/2.7" Progressive Scan CMOS
2	Min. illumination	0.008 Lux@F1.6 or better
3	Preferred recording Resolution	5MP (2592×1944) @ 20fps or better
4	Day & Night	IR Cut Filter
5	Shutter speed	1/3 s to 1/100,000 s
6	Digital Noise Reduction	3D DNR
7	WDR	120dB True WDR
8	Lens	2.7-13.5mm motorized lens or better (as per site requirement)

9	IR range	min. 90m IR or higher
10	Streaming Type	Should Support at least Dual Stream or better
		Main : 1fps~25fps(2592×1944, 2688×1520, 1920×1080) or better
		Sub : 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps) or better
11	Video Compression	H.265, H.264, H.264+,H.265+
12	Bit Rate Control	CBR/VBR
13	Scalable Video Coding (SVC)	H.264 and H.265 encoding
14	Audio Compression	G.711ulaw,G.711alaw, G.722.1, G.726, MP2L2, PCM, MP3, AAC
15	Environment Noise Filtering	Required
16	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI (5 fixed regions for main stream and sub-stream), Auto-White Balance
17	Image settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
18	SNR	≥ 52 dB
19	Day/Night Switch	Day, Night, Auto, Schedule
20	Image Parameters Switch	Yes
21	Target Cropping	Yes
22	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, SSL/TLS, PPPoE, ARP
23	API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), SDK
24	Simultaneous Live View	6 channel
25	User Host	at least 20 users. 3 user levels: administrator, operator and user
26	Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS
27	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
28	Preferable analytics	Line crossing detection, intrusion detection, Motion detection, video tampering, Scene change detection, audio exception detection, Face capture
29	Event Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning
30	Ethernet Port	1 x RJ45 10M/100M Ethernet port
31	Audio interface	1-in/ 1-out
32	Alarm I/O	1-in/1-out or netter
33	Power Output	12 VDC
34	General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, pixel counter
35	Power Supply	DC12V, PoE (802.3at /af)
36	Operating Conditions	-30° C ~ + 60° C
37	Ingress Protection	IP67 Ingress Protection
38	Certifications	CE, FCC, UL, BIS

Camera & NVR should be from same OEM for smooth integration.

CAMERA Indoor (Library Reading Hall) with 180° Panoramic View

Sl. No. Technical Specification :

OFFERED MAKE & MODEL:

1	Image Sensor	1/2.8" Progressive Scan CMOS or better
2	Min. illumination	Color: 0.003Lux (AGC On), 0 Lux with IR
3	Preferred recording Resolution	1920×1080 @ 20fps or better

4	Day & Night	IR Cut Filter
5	Shutter speed	1 s - 1/100,000 s
6	Digital Noise Reduction	3D DNR
7	WDR	120dB True WDR
8	Lens	2.8mm to 12mm
9	IR range	25m to 30m
10	Streaming Type	Should Support Three streams
		Main : 25fps (1920×1080, 1280×960, 1280×720)
		Sub : : 25fps (704×576, 640×480)
		Third: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480)
11	Video Compression	H.265,H.264, H.264+,H.265+
12	Bit Rate Control	CBR/VBR
13	Audio Compression	G.711a/G.711Mu/AAC/G.726
14	Environment Noise Filtering	Required
15	Image Enhancement	BLC, WDR, 3D DNR
16	Image settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
17	Day/Night Switch	Day, Night, Auto, Schedule
18	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP
19	API	Open Network Video Interface (PROFILE S, PROFILE G)
20	Simultaneous Live View	20 channel
21	User Host	at least 20 Users. 3 user levels: administrator, operator and user
22	Edge base Recording & Network storage	Built-in Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
23	Preferable analytics	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Face detection
24	Ethernet Port	1 x RJ45 10M/100M Ethernet port
25	Audio interface	1-in/ 1-out
26	Alarm I/O	2-in/1-out or better
27	Power Output	12 VDC, max.
28	Power Supply	DC12V, Hi-PoE
29	Operating Conditions	-30° C ~ + 60° C
30	Ingress Protection	IP67 Ingress Protection, IK10
31	Certifications	CE/ FCC/UL/BIS

Camera & NVR should be from same OEM for smooth integration.

32 Channel NVR with 16 SATA HDD

Sl. No.	Feature	Specification
OFFERED MAKE & MODEL:		
1	Operating System	Embedded LINUX
2	IP Camera Input	32 channels
3	Two-way Talk	Should Support
4	Audio output	1-ch
5	Display Interface	2-HDMI, 1-VGA output for viewing or better
6	Display Resolution	HDMI-1 (4K) : 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
		VGA-1 : 1920×1080 or more
		HDMI-1 : 1920×1080 or more
7	Network Throughput	Incoming Bandwidth: 320Mbps Outgoing Bandwidth: 256Mbps

8	Support multiple brands	Should Support Multi-brand (Onvif) network cameras
9	Recording Video Compression	H.265+, H.265, H.264+, H.264
10	Recording Resolution	12MP, 8MP, 6MP, 4MP, 3MP, 1080P, 720P, 4CIF, D1
11	User Interface	GUI
12	Motion Detection	Should Support
13	Alarm In/ out	It should have 16-Ch In and 8-Ch Out
14	Sync Playback	1/4/9/16
15	Smart Phone	It should support remote monitoring over iPhone, iPad, Android Mobile.
16	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart VCA search
17	Backup Mode	USB Device/Network
18	RAID	Should support RAID0, RAID1, RAID5, RAID6, RAID10
19	Hard Disk	8TB or better per SATA interfaces for HDD. HDD capacity : Up to 10 TB capacity for each disk
20	eSATA	1-eSATA interface
21	Network Ethernet	2x RJ-45 ports (10/100/1000Mbps)
22	USB	3 USB ports (2x USB2.0; 1x USB3.0)
23	Additional Interfaces	1 RS-485, 1 RS-232
24	Redundant Power Supply	AC 100V~240V, 50/60 Hz
25	Power Consumption	<51W
26	Working Environment	0°C~+55°C / 10%~90%RH
Camera & NVR should be from same OEM for smooth integration.		

THE ABOVE CORRIGENDUM IS A PART OF ORIGINAL TENDER DOCUMENT