

Specification for Realtime video Streaming for Press Conference

SL	Item Name	Brand	Item Details	Qty
01	Turnkey System - 1RU Streaming and Transcoding	Aja or others similar brand Preferable	Turnkey System - 1RU Streaming and Transcoding Appliance 4-Ch HD, 1-Channel UltraHD I/O Bidder must mention OEM Official Warranty	01
02	Monitor 27 Inch	HP/DELL or others similar brand Preferable	27-inch monitor Bidder must mention OEM Official Warranty	01
03	AI Camera For Video Streaming		The proposed cameras should support applicable intelligent features such as: • Subject/person tracking; • Auto framing; • Face/person detection AI enabled. • Presenter/speaker tracking. • Preset positioning. • Automatic camera movement; • PTZ control. • High-quality video capture. • Remote operation. • Low-latency operation and integration with the proposed video production/streaming workflow. Bidder must mention OEM Official Warranty	01
04	Installation, Implementation, System Integration, Commissioning & Training	Bidder should provide each device for integration with our existing PA system & Sound system		01
05	Support	-Bidder should submit BOQ of proposed device including the detail part numbers and Manufacturer's Warranty part number and must add services “ 24x7 Comprehensive Support with SLA for incident response & resolution ”, like Hardware Failures, and General Patch Upgrades & Update, etc. - Must ensure technical support 24/7 within 20min if any required over phone or physical		01

Other Technical Information:

1. **Physical site assessment shall be mandatory for all bidders before submitting its final proposal.**
2. The bidder shall inspect, at minimum:
 - Proposed camera installation locations
 - Press conference room/studio environment
 - Camera viewing angles and coverage
 - Lighting conditions
 - Existing audio/video infrastructure
 - Existing display systems
 - Network infrastructure and connectivity
 - Internet bandwidth and availability
 - LAN/WAN architecture
 - Power supply and electrical points
 - UPS/power backup availability
 - Equipment rack/cabinet availability
 - Cable pathways and containment
 - Existing structured cabling
 - Control room/server room facilities
 - Acoustic/environmental conditions where applicable
 - Physical mounting requirements
 - Equipment room temperature and ventilation
 - Existing IT/network/security infrastructure
 - Available streaming and recording infrastructure
 - Required integration points with existing systems.
3. Following or during the physical site assessment, the bidder shall participate in a technical discussion with the organization's authorized representatives. After that, bidder shall not subsequently claim that site conditions, infrastructure limitations or existing facilities were unknown after completion of the mandatory site assessment & discussion.
4. The bidder shall conduct sufficient technical investigation during the site visit to determine the actual requirements for successful implementation.
5. Any assumptions made by the bidder based on information that could reasonably have been verified during the site visit shall be at the bidder's own risk.
6. The bidder shall not assume that the requirements stated in this RFQ represent the complete list of equipment or services required for successful implementation. Any additional hardware, software, licenses, accessories, cabling, connectors, mounting systems, configuration, integration or professional services required to deliver a fully functional solution shall be clearly identified and included in the proposal.
7. The bidder shall prepare its proposal based on:
 - RFQ requirements;
 - Site assessment findings;
 - Discussions with authorized representatives;
 - Existing infrastructure;
 - Technical feasibility;
 - Required operational workflow; and
 - Industry-standard implementation practices.

8. The bidder shall propose professional-grade AI-enabled PTZ/movable cameras suitable for press conference and media production environments. The proposed cameras should support applicable intelligent features such as:

- Subject/person tracking;
- Auto framing;
- Face/person detection AI enabled.
- Presenter/speaker tracking.
- Preset positioning.
- Automatic camera movement;
- PTZ control.
- High-quality video capture.
- Remote operation.
- Low-latency operation and integration with the proposed video production/streaming workflow.

8.1 The bidder shall clearly specify which AI features are included as standard and which require additional licenses or subscriptions.

8.2 The bidder shall specify camera resolution, frame rates, optical zoom, digital zoom, low-light performance, connectivity, supported protocols and other relevant technical specifications.

8.3 The bidder shall demonstrate the AI tracking and camera movement functionality during the technical demonstration or proof-of-concept, if requested by the organization.

9. The bidder shall assess the existing audio system and determine the required integration approach.

10. The proposed system shall provide appropriate synchronization between audio and video.

11. The bidder shall ensure that the proposed solution does not introduce unacceptable audio/video synchronization delays.

12. Where existing microphones, mixers, amplifiers, speakers or other AV equipment are to be integrated, the bidder shall verify compatibility during the site assessment.

13. Bidder must provide solution Architecture as per given requirements.

- Overall architecture diagram
- Camera architecture
- Audio/video workflow
- Streaming architecture
- Recording architecture
- Network architecture
- Control room architecture