



ABOUT ZOOM

For over decades, Zoom Communications Pvt. Ltd. has been at the forefront of the broadcast industry, playing a pivotal role in shaping the evolution of Outside Broadcast (OB) and live production across Asia. Through continuous innovation and investment in cutting-edge technology, Zoom has pioneered next-generation flyaway production systems, advanced OB facilities, and end-to-end broadcast solutions that consistently meet the highest international standards. Our engineering excellence is built upon extensive technical expertise, innovative system integration, and a deep understanding of client requirements. Every production is meticulously planned and executed with an unwavering commitment to reliability, operational efficiency, and technical excellence ensuring that every project consistently exceeds expectations.

Our distinguished portfolio includes some of the world's most prestigious sporting and global events, including the Olympic Games, Asian Games, Commonwealth Games, Pan American Games, ICC Cricket Events, FIFA tournaments, Indian Premier League (IPL), Women's Premier League (WPL), G20 Summit, Kumbh Mela, along with numerous international sporting championships, live entertainment productions, music festivals, reality television broadcasts, and large-scale government events. Zoom Communications delivers complete broadcast solutions through both Flyaway Production Systems and Outside Broadcast (OB) Trucks, supporting Native UHD (4K) and HD productions across both IP and SDI workflows. Our production capabilities include conventional on-site production as well as REMI (Remote Integration Model) workflows, providing flexible, scalable, and cost-effective broadcast solutions.

[ZOOM COMMUNICATIONS WEBSITE](#)



ROLE OVERVIEW

Senior Broadcast Engineer is the technical authority responsible for planning, designing, integrating, commissioning, operating, and delivering world-class broadcast systems for large-scale national and international productions. The role provides end-to-end technical leadership across the project lifecycle, ensuring engineering excellence, system reliability, operational readiness, and flawless on-air delivery. The incumbent will lead engineering teams, make critical technical decisions, coordinate with clients and host broadcasters, and drive continuous improvement in engineering standards and broadcast technology.

KEY RESPONSIBILITIES

1. Engineering Leadership & Project Delivery

- Lead the complete engineering execution of assigned projects from planning through commissioning, live production, and project closure.
- Design and validate resilient broadcast architectures with appropriate redundancy to ensure uninterrupted transmission.
- Develop engineering signal flow diagrams, system layouts, rack elevations, and technical documentation for complex broadcast deployments.
- Verify engineering readiness before transmission through comprehensive testing, system validation, and risk assessment.
- Serve as the primary technical authority during live productions, ensuring rapid resolution of engineering issues with minimal operational impact.



2. Broadcast Systems Integration

- Independently design, integrate, commission, and optimize broadcast systems for OB Vans, Flyaway Systems, Studios, Remote Productions, and multi-venue events.
- Integrate camera chains, RF systems, communications, replay systems, routing, audio, graphics, monitoring, synchronization, storage, networking, and transmission infrastructure.
- Eliminate single points of failure by designing resilient primary and backup signal paths.
- Ensure seamless interoperability between OEM equipment and third-party broadcast systems.

3. Engineering Governance & Operational Excellence

- Ensure full compliance with Company SOPs, engineering policies, customer specifications, and international broadcast standards.
- Maintain comprehensive engineering documentation, configuration records, commissioning reports, asset registers, and project records.
- Drive engineering standardization across all broadcast systems, including rack layouts, cable dressing, labelling, documentation, and deployment practices.
- Lead post-event technical reviews, perform root cause analysis, and implement corrective and preventive actions to improve operational reliability.
- Uphold the highest standards of engineering quality, safety, operational discipline, and customer satisfaction.



4. Asset, Resource & Lifecycle Management

- Drive preventive maintenance, calibration, equipment lifecycle management, and asset reliability initiatives.
- Optimize engineering resources, equipment utilization, logistics, rentals, and deployment strategies while maintaining broadcast quality.
- Ensure proper handling, transportation, storage, and protection of Company assets throughout the project lifecycle.

5. Leadership & Stakeholder Management

- Mentor, coach, and develop Broadcast Engineers through structured technical training and knowledge sharing.
- Collaborate closely with Production, Technical Managers, Engineering, RF, Audio, EVS, Graphics, Logistics, OEMs, and host broadcasters to ensure seamless execution.
- Build strong professional relationships with clients, broadcasters, technology partners, and vendors to enhance the Company's technical reputation.
- Evaluate emerging technologies and recommend engineering innovations that improve operational efficiency and service delivery.

AREAS OF TECHNICAL EXPERTISE:

Senior Broadcast Engineer must demonstrate proven expertise in a minimum of three (3) of the following engineering disciplines:

1. Shader / Vision Engineer / CCU Operator

- Extensive experience in camera shading for National and International productions.



- Expertise in iris control, RGB balancing, black and white level management, gain, gamma, knee, flare, matrix, detail, colour temperature, HDR/SDR workflows, exposure control, optical filters, and multi-camera colour matching to ensure consistent picture quality.

3. RF Engineering

- Independently engineer RF camera systems for major live productions.
- Expertise in frequency planning, spectrum coordination, channel allocation, RF propagation, bandwidth optimization, antenna design, diversity reception, interference analysis, latency management, and RF troubleshooting.

4. EVS Engineering

- Extensive experience managing enterprise replay infrastructures.
- Expertise in EVS XT Servers, XHub, XFile, replay networking, shared storage, IP switching, replay workflow integration, redundancy, and operational continuity.

5. IT & Broadcast Networking

- Strong expertise in Windows and Linux-based broadcast systems, server administration, Layer-2/Layer-3 networking, managed switches, VLANs, LACP, multicast networking, QoS, fibre infrastructure, NAS/SAN storage, DHCP/DNS, software deployment, backup and recovery, and cybersecurity best practices for broadcast environments.

6. Guarantee Engineer (GE)

- Minimum two years' experience as a Guarantee Engineer for major live productions.
- Independently engineered HD and 4K productions comprising a minimum of 30 broadcast camera chains, including third-party camera systems and associated broadcast infrastructure.
- Proven capability to design complete broadcast systems, develop engineering signal flows, integrate complex broadcast environments, eliminate single points of failure, and certify engineering readiness prior to transmission.



IDEAL CANDIDATE WILL HAVE:

- Minimum 7 years of proven experience in the Broadcast Industry.
- Extensive experience across both National and International Broadcast Productions.
- Minimum 2 years of proven experience as a Guarantee Engineer (GE) on large-scale broadcast productions.
- Bachelor of Technology (B.Tech./B.E.) in Electronics & Communication Engineering, Electrical Engineering, Computer Science, Information Technology, Artificial Intelligence, or an equivalent Engineering discipline is mandatory
- Demonstrated experience in independently leading engineering teams and managing complete technical delivery for major sporting and entertainment events.

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