

APPENDIX 2B – TECHNICAL SPECIFICATIONS – LOT 2

Note: In all Lot specifications below any reference to “Professional” denotes equipment that is designed for sustained operational use in commercial, educational, industrial, studio, broadcast, or specialist environments, offering a high level of performance, reliability, durability, interoperability, and compliance with recognised industry standards.

Industry standard means equipment, technologies, interfaces, formats, or operating practices that are widely recognised, commonly adopted, and generally accepted within the relevant professional, educational, commercial, or technical sector, ensuring compatibility, interoperability, reliability, and long-term support.

Lot 2 - Radio Broadcast Equipment and Software

Lot 2A – Supply, Installation and Commissioning of Equipment for a Radio Studio in Douglas Street Campus.

Lot ID Code	Item Description	Quantity
Lot2A-1	Digital Audio Mixing & Control System - A professional-grade digital audio mixing and control system comprising a 16-channel operator surface and dedicated audio processing engine. Designed for live broadcasting, production, recording, and audio control applications, the system shall provide: • multi-channel audio routing, • mixing, • monitoring, • programme control, • and integration with digital audio networks. The bundle shall include all hardware and software components necessary for operation, with support for configurable channel assignments, source selection, audio processing, metering, and user-customisable controls suitable for radio, podcast, studio, or multimedia production environments	1
Lot2A-2	Remote Operation Software Licence - A software licence enabling remote access and operation of a digital broadcast or production audio control system from authorised network-connected workstations. The licence shall: • Support remote control, monitoring, and configuration of authorised system functions. • Provide expanded user interface functionality for enhanced operational flexibility. • Enable operation across multiple displays and workstation screens. • Support extended visualisation of system controls, status indicators, and operational information. • Include split-operation capability, allowing control and monitoring functions to be distributed across separate screens or operators. • Facilitate collaborative workflows within broadcast, recording, production, and technical control environments. • Support live broadcasting, content production, recording, and system monitoring applications. • Maintain full access to authorised control, routing, operational, and configuration features. • Designed to enhance operational efficiency, remote working capability, and flexible studio workflow management.	1

Lot2A-3	Managed Network Switch - A professional-grade managed network switch designed to provide secure, high-performance connectivity for audio, video, data, and control networks within broadcast, media production, and educational environments. • Enterprise-grade managed Layer 2 switch. • Minimum 24 Gigabit Ethernet ports. • VLAN support for network segmentation and traffic management. • Quality of Service (QoS) for prioritisation of audio, video, and critical traffic. • Network security features, including access control and port security. • Spanning Tree Protocol support for network resilience and loop prevention. • Multicast support for efficient audio and video distribution. • SNMP monitoring and remote network management. • Suitable for Audio-over-IP (AoIP), video, data, and control networks. • Low-latency, reliable performance for mission-critical applications. • Rack-mountable design for installation in equipment racks or communications cabinets.	2
Lot2A-4	KVM Extension System - A professional-grade KVM (keyboard, video, and mouse) extension system designed to provide remote access to computer workstations and production equipment while maintaining high-quality video transmission and responsive operator control. • Extends keyboard, video, mouse, USB, and control signals between operator positions and remote equipment. • Supports high-resolution video transmission without degradation of image quality. • Enables remote operation of workstations, servers, and production systems. • Provides low-latency performance for responsive control. • Supports USB peripherals including keyboards, mice, touchscreens, and storage devices. • Suitable for long-distance connectivity between studios, control rooms, and equipment racks. • Reduces equipment noise and heat within operational areas. • Designed for reliable use in broadcast, media production, educational, and control room environments. • Suitable for permanent rack-mounted installation.	2
Lot2A-5	Audio-over-IP (AoIP) Interface - A professional-grade Audio-over-IP (AoIP) interface for integrating analogue, digital, and control signals within networked broadcast and production environments. • Supports analogue and digital audio inputs and outputs. • Integrated GPIO functionality for control and automation. • Configurable audio routing and signal distribution. • Built-in audio conversion with low-latency network transport. • Compatible with AoIP studio infrastructure. • Suitable for broadcast, recording, and production applications. • Reliable operation in professional networked audio environments. • Rack-mountable for permanent installation.	2
Lot2A-6	AoIP Microphone Interface - A professional-grade Audio-over-IP (AoIP) microphone interface designed to connect studio microphones to a networked broadcast or production system, providing high-quality audio capture and routing. • Multiple microphone inputs with integrated preamplifiers. • Phantom power support for condenser microphones. • Adjustable gain control for each input. • Configurable audio routing and distribution. • Low-latency network audio transport. • Compatible with AoIP studio infrastructure. • Suitable for broadcast, recording, and production environments. • Reliable operation within professional networked audio systems. • Rack-mountable for permanent installation.	1

Lot2A-7	Headphone Distribution Amplifier - A professional-grade headphone distribution amplifier designed to provide high-quality monitoring for multiple presenters, operators, or studio users within broadcast and recording environments. • Multiple independently controlled headphone outputs. • High-output audio performance for professional monitoring applications. • Low-noise circuitry for clear, accurate audio reproduction. • Balanced audio inputs for integration with professional equipment. • Individual volume control for each headphone output. • Suitable for broadcast, recording, and production environments. • Reliable operation for continuous professional studio use. • Rack-mountable or desktop installation suitable for permanent deployment.	4
Lot2A-8	Digital Voice Processor - A professional-grade digital voice processor designed to optimise speech quality for broadcast, and production applications, delivering consistent, clear, and intelligible audio output. • Real-time digital voice processing for speech applications. • Microphone processing, equalisation, compression, and limiting functions. • Integrated de-essing, noise reduction, and loudness control. • Enhances speech clarity, consistency, and overall audio quality. • Supports network audio integration within professional workflows. • Suitable for broadcast, recording, and production environments. • Designed to deliver consistent broadcast-quality speech reproduction. • Reliable operation in professional studio and transmission environments.	1
Lot2A-9	Monitor & Equipment Mounting System - A professional-grade mounting solution designed to support displays, monitors, and studio equipment while providing flexible positioning and efficient workspace management within broadcast and production environments. • Supports displays, monitors, and studio equipment. • Adjustable height, reach, tilt, swivel, and rotation. • Enables ergonomic positioning and optimal viewing angles. • Integrated cable management for a tidy installation. • Maximises workspace efficiency and accessibility. • Secure mounting for studio, control room, and technical environments. • Suitable for permanent installation in broadcast, recording, and production facilities. • Durable construction designed for continuous professional use.	5
Lot2A-10	Broadcast Dynamic Microphone - A broadcast-quality dynamic microphone designed for speech applications, delivering clear, natural voice reproduction for radio, voiceover, and studio production environments. • Dynamic microphone optimised for speech and voice applications. • Large diaphragm capsule for detailed and natural voice reproduction. • Low handling noise and integrated internal shock mounting. • Built-in pop protection to minimise plosives and unwanted vocal artefacts. • Balanced audio output for connection to professional equipment. • Frequency response tailored for broadcast, and voiceover applications. • Suitable for radio studios, recording facilities, and content production environments. • Robust construction designed for continuous professional use.	4
Lot2A-11	Professional Monitoring Headphones – Professional-grade monitoring headphones designed for accurate audio reproduction in broadcast, recording, editing, and production environments. • Circumaural closed-back design for effective isolation from external noise. • Accurate frequency response for critical listening and monitoring. • High level of acoustic isolation to minimise audio leakage. • Ergonomic design for extended wearing comfort. • Replaceable ear cushions and serviceable components.	6

	- Compatible with professional audio interfaces, mixers, and monitoring systems. - Suitable for broadcast, recording, editing, and production applications. - Robust construction designed for continuous professional use.	
Lot2A-12	PTZ Camera - A professional-grade network-enabled pan-tilt-zoom (PTZ) camera designed for live production, broadcasting, education, and content creation applications, providing high-quality video capture and automated subject tracking. - Full HD or higher resolution video capture. - Integrated pan, tilt, and optical zoom functionality. - Automatic subject tracking capability. - Remote operation and configuration over IP networks. - Supports multiple streaming and video transport protocols. - Suitable for live production, streaming, recording, and broadcast applications. - Preset positioning and remote camera control functions. - Reliable operation in studio, educational, and professional production environments. - Suitable for permanent installation or fixed camera deployments.	3
Lot2A-13	Live Video Production Software - A professional-grade software licence designed for live video production, recording, and streaming, supporting multi-camera workflows and advanced production features for broadcast, educational, and content creation environments. - Supports live video mixing, switching, recording, and streaming. - Supports Ultra High Definition (4K) video production. - Multi-camera production and source management capabilities. - Graphics, titles, overlays, and media playback functions. - Virtual sets and production enhancement features. - Replay and recording functionality. - Integrated audio mixing and monitoring tools. - Compatible with external production, capture, and control devices. - Supports streaming to online and social media platforms. - Suitable for live events, broadcasting, education, and content production environments. - Designed for reliable operation in professional production workflows.	1
Lot2A-14	Automated Camera Switching Software - A professional-grade software solution designed to automate camera selection and switching within live production, broadcast, and studio environments, reducing the need for manual operator intervention. - Automates camera switching during live productions. - Supports switching based on audio activity, presenter tracking, and configurable production rules. - Integrates with PTZ cameras and production systems. - Enables intelligent camera selection and shot management. - Reduces operator workload during live broadcasts and recordings. - Supports multi-camera studio, and broadcast workflows. - Configurable to suit different production environments and operational requirements. - Suitable for live streaming, recording, education, and broadcast applications. - Designed for reliable operation within professional production environments.	1
Lot2A-15	Production Control Surface - A professional-grade desktop control surface designed to streamline production workflows by providing programmable controls for audio, video, streaming, and automation systems. - Programmable control buttons with integrated display screens. - Supports triggering of macros, shortcuts, and automation routines. - Enables control of production, recording, streaming, and broadcast workflows. - Supports scene changes, media playback, and application control functions. - Integrates with audio, video, and production software platforms. - Customisable button layouts and operational profiles.	2

	- Enhances workflow efficiency and reduces manual operation. - Suitable for broadcast, live production, streaming, and content creation environments. - Desktop design suitable for permanent or mobile production setups.	
Lot2A-16	Professional LED Studio Light - A professional-grade LED lighting fixture designed to provide high-quality illumination for broadcast, video production, photography, and streaming environments. - High-output LED light source for professional studio applications. - Adjustable brightness and colour temperature settings. - Flicker-free operation suitable for video and broadcast production. - Soft, even light distribution for presenter and subject illumination. - Wireless and/or network control capability. - Energy-efficient operation with low heat output. - Compatible with standard studio mounting and support systems. - Suitable for broadcast, streaming, photography, and content creation environments. - Designed for reliable continuous operation in professional production settings.	2
Lot2A-17	Media Playback System - A professional-grade standalone media playback system designed for broadcast, live event, and production environments, providing reliable playback and control of high-quality digital audio content. - Supports playback from removable media devices and network-connected sources. - Large integrated touchscreen display for operation and media management. - Advanced cueing, search, and playback control functions. - Supports high-resolution digital audio formats. - Network connectivity for content access, library management, and system integration. - Suitable for broadcast, live event, entertainment, and production applications. - Enables professional playback, monitoring, and programme control workflows. - Robust construction designed for continuous professional use. - Suitable for permanent installation or mobile production environments.	2
Lot2A-18	Microphone Pop Filter - A professional-grade microphone pop filter designed to reduce plosive sounds and improve speech clarity in broadcast, recording, and production environments. - Designed to minimise plosives and unwanted vocal noise. - Maintains clear and natural speech reproduction. - Suitable for use with professional broadcast and studio microphones. - Custom branding or printed graphics capability. - Durable mounting hardware for secure positioning. - Replaceable filter material for long-term use and maintenance. - Suitable for broadcast, voiceover, and recording applications. - Robust construction designed for continuous studio use.	6
Lot2A-19	Portable PA System - A portable public address system designed to provide high-quality sound reinforcement for presentations, teaching, events, and performance applications. - Integrated powered mixer and amplification system. - Supplied with matching loudspeakers for complete operation. - Multiple microphone and line-level input connections. - Bluetooth audio streaming capability. - Suitable for speech reinforcement and programme audio playback. - Simple setup and transport for mobile or temporary applications. - Suitable for educational, presentation, meeting, and small event environments. - Provides sufficient output for indoor audience coverage. - Robust construction designed for regular professional and educational use.	1
Lot2A-20	Active Loudspeaker - A professional-grade active loudspeaker designed for speech reinforcement and programme audio distribution in educational, presentation, and event environments. - Integrated amplification with professional acoustic drivers. - Balanced audio inputs for connection to professional audio equipment.	1

	• Accurate sound reproduction for speech and programme audio. • Suitable for public address, presentations, assemblies, and event applications. • Provides sufficient output for halls, classrooms, and assembly spaces. • Reliable performance for continuous professional use. • Suitable for permanent installation or portable deployment. • Durable construction designed for educational and commercial environments.	
Lot2A-21	Loudspeaker Mounting Solution - A professional-grade mounting solution designed to safely support and position loudspeakers in educational, presentation, and event environments. • Heavy-duty speaker stands or wall-mount brackets. • Suitable for supporting professional loudspeakers safely and securely. • Adjustable positioning for optimal sound coverage and aiming. • Appropriate load-bearing capacity for installed equipment. • Robust construction for long-term reliability and stability. • Suitable for permanent installation or portable deployment. • Compatible with a range of loudspeaker sizes and mounting configurations. • Designed for educational, presentation, public address, and event applications.	2
Lot2A-22	Wireless Microphone System - A professional-grade wireless microphone system designed for interviews, field recording, content creation, and broadcast applications, delivering high-quality speech capture with flexible portable operation. • Digital wireless audio transmission for cable-free operation. • Integrated onboard recording capability for primary or backup recording. • High-quality microphone system optimised for speech reproduction. • Rechargeable battery operation for portable use. • Suitable for interviews, field recording, podcasting, broadcasting, and content creation. • Reliable wireless performance in professional production environments. • Compact and lightweight design for handheld or on-location use. • Compatible with professional audio, video, and recording systems. • Designed for clear, intelligible speech capture in a variety of recording environments.	2
Lot2A-23	Internet & Digital Radio Receiver - A professional-grade network-enabled radio receiver designed for monitoring, reference listening, and audio playback, supporting both traditional and internet-based radio services. • Supports internet radio streaming services. • Receives DAB/DAB+ and FM radio broadcasts. • Wi-Fi network connectivity for online radio access. • Preset station storage and management functionality. • High-quality audio playback for monitoring and reference listening. • Suitable for broadcast, educational, production, and general listening applications. • User-friendly interface for station selection and operation. • Reliable operation for continuous monitoring and playback use.	1
Lot2A-24	Studio Status Indicator - A professional-grade illuminated status indicator designed for broadcast, recording, and production facilities, providing clear visual notification of studio and operational status. • LED illuminated status signage for studio and production environments. • Provides visual indication of live transmission, recording, occupancy, or operational status. • Supports external control and automation system integration. • High-visibility display suitable for studios, control rooms, and production areas. • Energy-efficient LED illumination with long operational life. • Suitable for broadcast, podcasting, recording, and media production facilities. • Durable construction designed for continuous professional use. • Suitable for wall, door, or facility-wide installation.	2

Lot2A-25	Audio Streaming Appliance - A broadcast-grade audio streaming appliance designed for encoding, processing, and reliable distribution of audio content for internet radio and online broadcasting services. • Audio encoding and streaming for internet radio and online broadcast applications. • Supports multiple audio codecs and streaming formats. • Integrated audio processing and loudness control functions. • Stream management and monitoring capabilities. • Reliable IP-based audio distribution and transmission. • Suitable for live and automated broadcast workflows. • Compatible with professional audio and network infrastructures. • Designed for continuous operation in broadcast and streaming environments. • Rack-mountable for permanent installation within technical facilities.	1
Lot2A-26	LED Display Processor - A professional-grade display processing and control system designed to manage, configure, and optimise modular LED video wall installations in broadcast, presentation, and digital signage environments. • Processes and manages video signals for LED display systems. • Supports image scaling, signal conversion, and display optimisation. • Provides screen synchronisation and image alignment functions. • Enables brightness, colour, and display performance adjustment. • Supports configuration and management of modular LED video wall systems. • Compatible with a range of video input sources and display formats. • Suitable for broadcast, presentation, digital signage, and event applications. • Reliable operation for professional display installations. • Rack-mountable for permanent installation within AV and technical facilities.	1
Lot2A-27	Modular LED Video Wall - A professional-grade modular LED display system designed for digital signage, broadcast backdrops, information displays, and presentation environments, delivering high-quality visual performance with flexible installation and maintenance options. • Modular indoor LED display panels measuring approximately 640 mm × 480 mm per cabinet. • Fine pixel pitch technology for high-resolution image reproduction and close-viewing applications. • Integrated receiving card and power supply within each panel. • Supplied with mounting frame for system assembly and installation. • Seamless panel alignment for a continuous display surface. • Front-service and/or rear-service maintenance access. • Supports scalable display configurations to suit installation requirements. • Suitable for broadcast studios, digital signage, presentation spaces, and event production environments. • Designed for reliable continuous operation and professional visual display applications. • Compatible with professional LED display control and processing systems.	20
Lot2A-28	Custom Studio Furniture System - A purpose-built studio furniture system designed and manufactured to suit the operational requirements of broadcast, podcasting, recording, and multimedia production environments. • Custom designed and manufactured to suit the final studio layout and equipment configuration. • Accommodates audio consoles, control surfaces, monitors, microphones, computer workstations, rack-mounted equipment, and associated peripherals. • Constructed from durable commercial-grade materials suitable for continuous professional use. • Integrated cable management and concealed cable routing throughout. • Ventilation provisions for equipment cooling and long-term reliability.	1

	• Ergonomic design to support comfortable and efficient operator workflows. • Supports custom layouts tailored to room dimensions and operational requirements. • Optional integration of LED task lighting and ambient lighting systems. • Supports monitor mounting, equipment rack integration, and accessible maintenance points. • Designed to maximise workspace efficiency and minimise visible cabling. • Provides a professional appearance suitable for modern broadcast and production facilities. Tenderers shall provide detailed design drawings, dimensions, materials specifications, finish options, cable management arrangements, equipment integration details, and proposed lighting solutions as part of their submission.	
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Lot 2B – Supply, Installation and Commissioning of Equipment for a Podcast Studio in Douglas Street Campus.

Lot ID Code	Item Description	Quantity
Lot2B-1	Professional Podcast Production Bundle – Professional-grade podcast production bundle comprising an integrated audio production console and/or broadcast-quality dynamic microphone solution with appropriate signal enhancement. The bundle shall support high-quality podcast recording, streaming, interview production, and content creation, providing professional audio capture, monitoring, processing, and workflow capabilities. Features: • Professional podcast recording and production solution. • High-quality broadcast-grade audio capture and processing. • Suitable for podcasting, interviews, voice-over, and content creation applications. • Integrated monitoring and audio routing capabilities. • Support for multiple participants and audio sources where applicable. • Low-noise audio performance suitable for speech and spoken-word production. • Professional connectivity for integration with podcast studio equipment. • Designed for continuous operation in educational and production environments. • Supplied complete with all required accessories, interfaces, signal enhancement devices, and connection components. • Fully compatible with the overall podcast studio system and workflow.	1
Lot2B-2	Broadcast Dynamic Microphone – Professional-grade dynamic broadcast microphone designed for podcasting, voice recording, streaming, and spoken-word content creation. The microphone shall provide clear, intelligible vocal reproduction with effective rejection of background noise, making it suitable for podcast studios, interview environments, and educational media production. Features: • Professional dynamic microphone for speech and voice applications. • Optimised for podcasting, broadcasting, streaming, and content creation. • Clear and natural vocal reproduction. • Directional pickup pattern to reduce unwanted background noise. • Robust construction suitable for regular studio use. • Suitable for close-microphone spoken-word recording. • Compatible with professional microphone stands and mounting systems. • Professional audio connectivity for integration with studio equipment. • Designed for continuous operation in educational and production environments. • Supplied complete with all necessary mounting accessories and connection components.	4
Lot2B-3	Microphone Boom Arm – Professional-grade studio microphone boom arm designed for podcasting, broadcasting, streaming, and content creation environments. The boom arm shall provide flexible microphone positioning, smooth adjustment, and stable support while maintaining a clean and organised workspace. Features: • Professional microphone boom arm for studio and podcast applications. • Adjustable positioning for optimal microphone placement. • Smooth and quiet movement during adjustment. • Desk-mounted design with secure attachment system. • Internal or integrated cable management for a tidy installation. • Suitable for broadcast, podcast, streaming, and voice recording applications. • Robust construction for continuous professional use. • Compatible with a wide range of professional microphones and shock mounts.	4

	- Designed to support close-position spoken-word recording workflows. - Supplied complete with all mounting hardware and installation accessories.	
Lot2B-4	Closed-Back Monitoring Headphones – Professional-grade closed-back monitoring headphones designed for podcasting, broadcasting, recording, editing, and audio production applications. The headphones shall provide accurate audio reproduction, effective isolation from external noise, and long-wearing comfort for presenters, guests, and studio operators. Features: - Professional closed-back monitoring headphone design. - Accurate and balanced audio reproduction for speech and media production. - Effective isolation from external noise and microphone spill. - Suitable for podcasting, broadcasting, recording, and editing applications. - Comfortable design for extended listening sessions. - Robust construction suitable for regular studio use. - Compatible with professional headphone amplifiers, mixers, and audio interfaces. - Replaceable ear pads and cable where supported by the manufacturer. - Designed for continuous operation in educational and production environments. - Supplied complete with all required cables, adapters, and accessories for normal operation.	4
Lot2B-5	Balanced Microphone Cables – Professional-grade balanced microphone cables designed for reliable audio signal transmission in podcasting, recording, broadcast, and live production environments. The cables shall provide durable construction, low-noise performance, and secure connectivity for microphones and associated audio equipment. Features: - Professional balanced microphone cable assembly. - Suitable for podcasting, recording, broadcast, and production applications. - Low-noise signal transmission for high-quality audio performance. - Durable outer jacket for regular professional use. - Professional-grade connectors with secure fit and retention. - Flexible construction for ease of installation and cable management. - Suitable for permanent and temporary studio deployments. - Compatible with professional microphones, mixers, audio interfaces, and related equipment. - Robust design suitable for continuous operation in educational and production environments. - Supplied in appropriate lengths as required for the completed installation.	4
Lot2B-6	Headphone Amplifier – Professional-grade headphone amplifier designed to distribute high-quality audio monitoring signals to multiple users within a podcast, recording, or production environment. The unit shall provide independent headphone outputs and individual level control for presenters, guests, and studio operators. Features: - Professional multi-channel headphone monitoring amplifier. - Multiple headphone outputs for simultaneous user monitoring. - Independent volume control for each headphone output. - Clear, low-noise audio performance. - Suitable for podcasting, broadcasting, recording, and production applications. - Compatible with professional headphones and studio audio systems. - Robust construction suitable for continuous studio use. - Professional audio input and output connectivity. - Suitable for rack-mounted or desktop installation, as applicable. - Supplied complete with all necessary power, connection, and mounting accessories.	1

Lot2B-7	Under-Desk Headphone Monitoring Station - Compact headphone monitoring station for installation beneath desks or studio furniture, providing a convenient headphone connection and individual volume control for presenters, guests, and operators within a podcast studio environment. Features: • Under-desk or surface-mount installation. • Individual headphone output with dedicated volume control. • Clear, low-noise audio monitoring. • Compatible with professional studio headphones. • Durable construction suitable for continuous studio use. • Professional audio connectivity for integration with studio systems. • Low-profile design suitable for presenter and guest positions. • Supplied with all necessary mounting accessories for installation and commissioning.	1
Lot2B-8	PTZ Camera – Professional-grade PTZ (Pan-Tilt-Zoom) camera designed for podcasting, broadcasting, streaming, teaching, and content creation applications. The camera shall provide high-quality video capture, remote operation, and flexible positioning, enabling efficient production of live and recorded content within a studio environment. Features: • Professional PTZ camera for studio and production applications. • High-definition video capture with optical zoom capability. • Remote pan, tilt, and zoom operation. • Suitable for podcasting, broadcasting, streaming, and educational content production. • Supports integration with professional video production and control systems. • High-quality image processing for clear and consistent video output. • Multiple video, network, and control connectivity options. • Suitable for fixed installation within studio environments. • Quiet and smooth camera movement for live production use. • Supplied complete with all required mounting, power, control, and connectivity accessories for installation and commissioning.	3
Lot2B-9	Camera Mounting Brackets and Stands – Professional-grade camera mounting brackets and support stands designed for the secure installation and positioning of PTZ and production cameras within podcast, broadcast, teaching, and content creation environments. The solution shall provide stable support, flexible positioning, and safe integration with the overall studio system. Features: • Professional mounting solution for studio and PTZ cameras. • Suitable for wall, desk, ceiling, tripod, or freestanding installation, as applicable. • Secure and stable camera support. • Adjustable positioning for optimal camera placement and coverage. • Robust construction suitable for permanent studio use. • Designed to support professional production and broadcast camera systems. • Integrated cable management features where applicable. • Compatible with supplied camera equipment and mounting interfaces. • Suitable for podcasting, streaming, broadcasting, and educational production environments. • Supplied complete with all required mounting hardware and installation accessories.	3
Lot2B-10	Studio Cabling Infrastructure - Professional-grade cabling infrastructure required for the installation, interconnection, and operation of cameras and associated production equipment. The solution shall include all necessary video, network, audio, control, and power cabling, fully terminated, labelled, tested, and suitable for permanent installation. Features:	3

	• Video cabling for camera and production system connectivity. • Network cabling for data, control, and IP-based devices. • Audio cabling for signal routing and monitoring applications. • Power cabling for connected equipment and peripherals. • Professional-grade connectors and terminations. • Clearly labelled cables and connection points. • Installation-ready solution suitable for permanent deployment. • Fully tested and commissioned as part of the complete system installation. • Compatible with all supplied studio and production equipment.	
Lot2B-11	<u>Active Studio Monitor Speakers</u> – Professional-grade compact active studio monitor speakers designed for nearfield listening, audio monitoring, podcast production, editing, and content creation applications. The monitors shall provide accurate sound reproduction, compact installation footprint, and reliable performance for professional studio environments. Features: • Compact active studio monitor design. • Accurate and balanced audio reproduction for speech and media production. • Suitable for podcasting, editing, mixing, and content creation applications. • High-quality amplification integrated within the speaker system. • Wide frequency response for detailed audio monitoring. • Optimised for nearfield listening environments. • Compact footprint suitable for desktop and studio installations. • Professional audio input connectivity. • Robust construction suitable for continuous studio use. • Supplied as a matched stereo pair with all required power and connection accessories.	2(1 Pair)
Lot2B-12	<u>Desktop Loudspeaker Stands</u> – Professional-grade desktop loudspeaker stands designed to position studio monitors at an optimal listening height and angle while reducing vibration transfer and acoustic resonance between the speakers and the supporting surface. Features: • Desktop-mounted design for studio monitor placement. • Positions speakers at an appropriate listening height and angle. • Provides vibration isolation and acoustic decoupling. • Improves monitoring accuracy and stereo imaging. • Suitable for use with professional nearfield studio monitors. • Sturdy construction for stable speaker support. • Compact design suitable for podcast, recording, and production environments. • Supplied complete with all components required for installation and use.	2
Lot2B-13	<u>External Solid-State Drive (SSD)</u> - Portable high-performance external solid-state storage device designed for the secure storage, transfer, backup, and transport of audio, video, and production project files. The device shall provide fast data transfer speeds, durable construction, and reliable operation within podcast, media production, and educational environments. Features: • Portable external solid-state drive for professional media workflows. • minimum capacity of 1TB, • High-speed data transfer for audio, video, and project files. • Suitable for recording, editing, backup, and content archiving applications. • Compact and lightweight design for easy transport. • Durable construction suitable for regular professional use. • Compatible with Windows and macOS operating systems. • USB connectivity for integration with computers and production equipment. • Suitable for storing large media libraries and production assets. • Reliable performance for educational and content creation environments.	2

	• Supplied complete with all required connection cables and accessories.	
Lot2B-14	Live Video Production & Streaming Software – Professional-grade live video production and streaming software licence for creating, mixing, recording, and broadcasting multi-source video productions. The licence shall support integration with cameras, audio sources, graphics, media assets, and live streaming platforms for podcasting, content creation, and educational production environments. Features: • Professional live video production and streaming software. • Supports multiple video, audio, and media input sources. • Real-time switching, mixing, and production capabilities. • Integration with cameras, microphones, and production hardware. • Support for graphics, titles, overlays, and media playback. • Live streaming and recording functionality. • Suitable for podcasting, broadcast, training, and content creation applications. • Annual subscription licence. • Subscription to be purchased and maintained directly by the client. • Compatible with the overall podcast studio production environment.	1
Lot2B-15	Bi-Colour LED Studio Light – Professional-grade bi-colour LED studio lighting fixture designed for podcasting, broadcasting, video production, streaming, and content creation environments. The light shall provide adjustable colour temperature, consistent illumination, and flexible control options to support high-quality studio video production. Features: • Professional LED studio lighting fixture. • Adjustable bi-colour output for a range of lighting conditions. • Suitable for podcasting, broadcasting, streaming, and video production. • Even, flicker-free illumination for camera applications. • DMX control capability for integration with professional lighting systems. • Adjustable brightness and colour temperature. • Suitable for use as key, fill, or general studio lighting. • Energy-efficient operation with low heat output. • Robust construction suitable for continuous studio use. • Supplied complete with mounting hardware, power accessories, and all components required for installation and commissioning.	4
Lot2B-16	Studio Mounting Accessories – Professional-grade mounting accessories comprising clamps, safety wires, brackets, fixings, and associated hardware required for the secure installation of lighting, cameras, audio equipment, cabling, and ancillary production equipment within a podcast studio environment. Features: • Professional installation hardware for studio and production equipment. • Suitable for mounting lighting, cameras, audio equipment, and associated accessories. • Includes clamps, safety retention devices, brackets, and fixings as required. • Robust construction suitable for permanent installation. • Provides secure support and secondary safety restraint where applicable. • Compatible with industry-standard mounting systems and fixtures. • Suitable for wall, ceiling, desk, stand, and rigging applications as required. • Corrosion-resistant and durable materials suitable for long-term use. • Supplied in quantities appropriate to the completed installation. • Fully compatible with all installed studio and production equipment.	4
Lot2B-17	DMX and Power Cabling - Professional-grade DMX control and power cabling required for the installation and operation of studio lighting and associated production equipment. The cabling	1

	solution shall provide reliable power distribution and control connectivity, suitable for permanent installation within a podcast studio environment. Features: • Professional DMX and power cabling for studio lighting systems. • Suitable for lighting control, power distribution, and equipment interconnection. • Robust construction suitable for permanent installation. • Professional-grade connectors and terminations. • Clearly labelled and neatly managed cable runs. • Compatible with DMX-controlled lighting fixtures and associated equipment. • Suitable for integration with studio lighting and control systems. • Fully tested and commissioned as part of the completed installation. • Supplied in lengths and quantities appropriate to the installed system. • Fully compatible with all supplied lighting and production equipment.	
Lot2B-18	<u>Integration Components and Adaptors</u> - Provision of miscellaneous technical components required to complete system integration, including: • audio and video adapters, • signal converters and protocol converters, • embedders and extractors, • power supplies and power distribution devices, • interface modules and couplers, • patching accessories and mounting accessories, • spare connectors, and other ancillary hardware necessary to deliver a fully operational system. Tenderers should allow an appropriate contingency for unforeseen integration requirements.	1
Lot2B-19	<u>Podcast Studio Table</u> – Professional-grade studio furniture designed specifically for podcasting, broadcasting, recording, and content creation environments. The table shall provide a durable and ergonomic workspace for presenters, guests, microphones, monitoring equipment, and associated production hardware while supporting effective cable management and studio operation. Features: • Purpose-built table for podcasting and media production environments. • Suitable for multiple presenters and associated equipment. • Durable construction suitable for continuous professional use. • Integrated cable management facilities for audio, video, network, and power cabling. • Workspace suitable for microphones, monitor screens, audio interfaces, and production equipment. • Ergonomic design to support comfortable recording and production sessions. • Low-reflection surface suitable for video and studio applications. • Compatible with under-desk mounting of audio and production equipment where required. • Suitable for permanent installation within a podcast studio environment. • Supplied complete with all components, fixings, and accessories required for installation and commissioning. • The design shall support the operational requirements of podcasting, broadcasting, education, and media production environments while providing an aesthetically professional appearance and efficient equipment integration.	1

All equipment proposed shall be fully compatible with the overall podcast studio solution and shall be suitable for professional podcasting, streaming, video production and educational content creation applications.

**Lot 2C – Supply, Installation and Commissioning of Equipment for an IT & Recording Studio
incorporating Control and Live Rooms in Douglas Street Campus.**

Lot ID Code	Item Description	Quantity
Lot2C-1	USB MIDI Control Surface – Professional-grade USB MIDI control surface designed for recording, mixing, editing, and music production applications within an IT and recording studio environment. The control surface shall provide tactile control of digital audio workstation (DAW) software, enhancing workflow efficiency through hands-on operation of mixing, transport, automation, and production functions. Features: • Professional-grade USB MIDI control surface for DAW operation. • Hands-on control of mixing, recording, editing, and production functions. • Assignable controls suitable for audio and MIDI workflows. • Integration with industry-standard digital audio workstation software. • Dedicated transport controls for recording and playback operations. • Supports workflow customisation and user-defined control mapping. • High-resolution control for precise adjustment of software parameters. • USB connectivity for integration with workstation computers. • Suitable for music production, recording, mixing, and audio education environments. • Supplied complete with all required software, licences, cables, and accessories necessary for installation and commissioning.	1
Lot2C-2	Control Surface Expansion Module – Professional-grade expansion module designed to extend the functionality and channel capacity of a compatible DAW control surface specified above. The unit shall provide additional physical controls for recording, mixing, editing, and music production workflows within an IT and recording studio environment. Features: • Expansion module for integration with a compatible DAW control surface. • Provides additional channels of hands-on control for mixing and production tasks. • Supports recording, editing, mixing, and automation workflows. • Seamless integration with the associated control surface system. • High-resolution controls for precise adjustment of software parameters. • Consistent layout and operation across the expanded control surface environment. • Suitable for music production, recording, mixing, and audio education applications. • Professional build quality suitable for continuous studio use. • USB or manufacturer-supported connectivity for system expansion. • Supplied complete with all required cables, accessories, and components necessary for installation and commissioning.	1
Lot2C-3	Control Surface Display Module – Professional-grade display module designed to provide visual feedback and channel information for a compatible DAW control surface. The unit shall enhance workflow efficiency by displaying track names, parameter values, metering information, and control assignments during recording, mixing, editing, and music production activities. Features: • Display module for integration with a compatible DAW control surface. • Provides visual feedback for channel and control functions. • Displays track, parameter, and status information. • Supports recording, editing, mixing, and automation workflows. • Enhances operational efficiency through clear visual monitoring. • Seamless integration with the associated control surface system. • Suitable for music production, recording, mixing, and audio education environments. • Professional build quality suitable for continuous studio use.	1

	• Manufacturer-supported connectivity for system integration. • Supplied complete with all required cables, accessories, and components necessary for installation and commissioning.	
Lot2C-4	Expansion Display Module – Professional-grade display module designed to provide visual feedback and channel information for a compatible DAW control surface expansion system. The unit shall display track names, channel status, parameter values, metering information, and control assignments, enhancing workflow efficiency within recording, mixing, editing, and music production environments. Features: • Display module for integration with a compatible DAW control surface expansion module. • Provides visual feedback for channel and control functions. • Displays track names, parameter values, status information, and metering data. • Supports recording, editing, mixing, and automation workflows. • Enhances operational efficiency through clear visual monitoring of multiple channels. • Seamless integration with the associated control surface ecosystem. • Suitable for music production, recording, mixing, and audio education applications. • Professional build quality suitable for continuous studio use. • Manufacturer-supported connectivity for system integration. • Supplied complete with all required cables, accessories, and components necessary for installation and commissioning.	1
Lot2C-5	Channel Strip Processor – Professional-grade channel strip audio processing module designed for recording, mixing, and broadcast applications within a studio environment. The unit shall provide integrated microphone preamplification, dynamics processing, equalisation, and signal conditioning to support high-quality vocal, instrument, and audio production workflows. Features • Professional channel strip for studio recording and audio production. • Integrated microphone preamplifier and audio signal processing. • Provides equalisation, dynamics control, and signal conditioning functions. • Suitable for vocal, speech, instrument, and broadcast applications. • High-quality audio performance with low-noise operation. • Professional analogue and/or digital connectivity for studio integration. • Suitable for recording, mixing, podcasting, and content creation workflows. • Intuitive controls for adjustment of audio processing parameters. • Robust construction suitable for continuous professional studio use. • Supplied complete with all required power supplies, connectivity accessories, and components necessary for installation and commissioning.	1
Lot2C-6	Dual-Channel Audio Compressor – Professional-grade dual-channel audio compressor designed for recording, mixing, broadcast, and audio production applications. The unit shall provide dynamic range control, signal conditioning, and transient management to enhance the quality, consistency, and clarity of vocal, speech, and instrument recordings within a professional studio environment. Features • Professional dual-channel audio compressor. • Dynamic range control for recording and mixing applications. • Suitable for vocals, speech, instruments, and programme material. • High-quality analogue audio signal processing. • Independent control of compression parameters for precise adjustment. • Capable of controlling peaks and improving overall signal consistency. • Low-noise operation suitable for professional studio environments. • Professional audio connectivity for integration with recording and production systems. • Robust construction suitable for continuous studio use.	1

	Supplied complete with all required power, connectivity, and installation accessories.	
Lot2C-7	8-Channel Microphone Preamplifier – Professional-grade multi-channel microphone preamplifier designed to provide high-quality microphone amplification and signal conditioning for recording, production, and audio education applications. The unit shall support the connection of multiple microphones and integrate seamlessly with recording systems, audio interfaces, and studio infrastructure within control room and live room environments. Features - Professional 8-channel microphone preamplifier. - Multiple microphone inputs for simultaneous recording applications. - High-quality, low-noise audio amplification. - Suitable for vocals, speech, instruments, ensembles, and live room recording. - Phantom power support for condenser microphones. - Professional analogue and/or digital connectivity for integration with recording systems. - Designed for use with audio interfaces, recording hardware, and studio infrastructure. - Suitable for music production, recording, podcasting, and audio education environments. - Robust construction suitable for continuous professional studio use. - Supplied complete with all required power supplies, connectivity accessories, and components necessary for installation and commissioning.	2
Lot2C-8	High-Channel-Count Audio Interface – Professional-grade high-channel-count audio interface designed for recording, playback, routing, and signal conversion applications within a control room and live room studio environment. The unit shall provide multiple analogue and digital audio inputs and outputs, low-latency performance, and seamless integration with digital audio workstations, recording systems, and studio infrastructure. Features - Professional multi-channel audio interface for studio recording and production. - High channel count for simultaneous recording and playback applications. - High-quality analogue-to-digital and digital-to-analogue audio conversion. - Low-latency performance suitable for professional recording workflows. - Multiple analogue and digital audio input and output connections. - Suitable for integration with microphone preamplifiers, control surfaces, monitoring systems, and external audio equipment. - Supports recording, mixing, editing, and audio production applications. - Compatible with industry-standard digital audio workstation software. - Comprehensive audio routing and signal management capabilities. - Robust construction suitable for continuous professional studio use. - Supplied complete with all required power supplies, cables, software drivers, and accessories necessary for installation and commissioning.	1
Lot2C-9	Active Studio Monitor Speaker – Professional-grade two-way active studio monitor speaker designed for critical listening, recording, mixing, editing, and audio production applications. The monitor shall provide accurate and transparent audio reproduction, integrated amplification, and intelligent monitoring capabilities suitable for use within control room and professional studio environments. Features - Professional two-way active studio monitor speaker. - Accurate and balanced audio reproduction for critical listening applications. - Integrated amplification designed for studio monitoring. - Suitable for recording, mixing, mastering, editing, and audio production workflows. - Wide frequency response and detailed sound reproduction. - Intelligent monitoring and system optimisation capabilities. - Suitable for nearfield monitoring applications. - Professional analogue and/or digital audio connectivity.	5

	- Designed for integration with studio monitoring and room calibration systems. - Robust construction suitable for continuous professional studio use. - Supplied complete with all required power, connectivity, and installation accessories.	
Lot2C-10	Studio Subwoofer – Professional-grade active studio subwoofer designed to extend low-frequency monitoring performance within recording, mixing, mastering, and audio production environments. The subwoofer shall integrate seamlessly with studio monitor systems to provide accurate bass reproduction, enhanced monitoring accuracy, and intelligent system optimisation capabilities for professional control room applications. Features - Professional active studio subwoofer for low-frequency monitoring. - Extends system frequency response for accurate bass reproduction. - Suitable for recording, mixing, mastering, editing, and audio production workflows. - Integrated amplification designed for professional studio monitoring. - Intelligent monitoring and system optimisation capabilities. - Designed for seamless integration with compatible studio monitor systems. - Suitable for stereo and multi-channel monitoring environments. - Professional analogue and/or digital audio connectivity. - Supports room calibration and monitoring system management functions. - Robust construction suitable for continuous professional studio use. - Supplied complete with all required power, connectivity, and installation accessories.	1
Lot2C-11	Speaker Stands and Mounts – Professional-grade speaker stands and mounting brackets designed for the secure installation and optimal positioning of studio monitor speakers within control rooms, live rooms, teaching spaces, and production environments. The solution shall provide stable support, appropriate speaker placement, and effective integration with the studio monitoring system. Features - Professional speaker support and mounting solution. - Suitable for studio monitor loudspeakers and monitoring systems. - Available for floor-standing, wall-mounted, desk-mounted, or equipment-mounted installations, as required. - Provides secure and stable speaker positioning. - Supports optimal monitor placement for accurate listening and monitoring. - Robust construction suitable for continuous professional studio use. - Vibration-reducing and acoustic isolation features where appropriate. - Compatible with professional studio monitoring systems. - Suitable for control room, live room, recording, mixing, and audio education environments. - Supplied complete with all required brackets, fixings, mounting hardware, and installation accessories.	5
Lot2C-12	Surround Monitor Controller – Professional-grade surround monitor controller designed for managing and monitoring multi-channel audio systems within recording, mixing, post-production, and audio education environments. The unit shall provide precise control of monitor levels, source selection, speaker management, and integrated talkback functionality for communication between control room and live room spaces. Features - Professional monitor controller for stereo and multi-channel monitoring applications. - Centralised control of monitor levels and speaker selection. - Suitable for recording, mixing, post-production, and audio production workflows. - Integrated talkback functionality for communication between studio spaces. - Multiple audio source and monitor selection capabilities. - Precise level control for critical listening environments.	1

	• Supports integration with professional studio monitor systems and audio interfaces. • Suitable for control room and live room studio installations. • Robust construction suitable for continuous professional studio use. • Supplied complete with all required power, connectivity, and installation accessories.	
Lot2C-13	Personal Monitoring Distribution System – Professional-grade personal monitoring distribution system designed to provide individual headphone mixes for performers, presenters, and recording participants within a studio environment. The system shall enable users to independently control and monitor audio signals during recording, rehearsal, production, and educational activities. Features • Professional personal headphone monitoring distribution system. • Includes 8 individual remote monitoring stations for user operation. • Supports multiple users with independent monitoring capabilities. • Individual control of headphone listening levels and monitor mixes. • Suitable for recording, rehearsal, podcasting, broadcast, and music production applications. • High-quality audio distribution with low-noise performance. • Compatible with professional headphones, audio interfaces, mixers, and monitoring systems. • Scalable design suitable for multi-user studio environments. • Suitable for use within control rooms, live rooms, and teaching spaces. • Robust construction suitable for continuous professional use. • Supplied complete with all required hubs, remote stations, power supplies, connectivity accessories, and components necessary for installation and commissioning.	1
Lot2C-14	Personal Monitoring Mixer Hub – Professional-grade personal monitoring mixer hub designed to distribute multiple audio channels to individual monitoring stations within a recording, rehearsal, podcasting, and music production environment. The system shall provide flexible signal routing and support independent monitor mixes for performers, presenters, and studio users. Features • Professional personal monitoring mixer and distribution hub. • Centralised distribution of audio signals to personal monitoring stations. • Supports 8 individual remote monitoring stations. • Enables independent monitor mix control for connected users. • High-quality audio distribution with low-noise performance. • Suitable for recording, rehearsal, podcasting, broadcast, and music production applications. • Compatible with professional audio interfaces, mixers, monitor controllers, and recording systems. • Scalable architecture suitable for multi-user studio environments. • Suitable for installation within control rooms, live rooms, and teaching spaces. • Robust construction suitable for continuous professional use. • Supplied complete with all required power supplies, connectivity accessories, and components necessary for installation and commissioning.	2
Lot2C-15	Closed-Back Studio Headphones – Professional-grade closed-back monitoring headphones designed for recording, mixing, podcasting, broadcasting, editing, and audio production applications. The headphones shall provide accurate audio reproduction, effective acoustic isolation, and long-wearing comfort for studio users working within control room, live room, and educational environments. Features • Professional closed-back studio monitoring headphones. • Accurate and balanced audio reproduction for critical listening applications. • Suitable for recording, mixing, podcasting, broadcasting, editing, and content creation.	6

	• Effective isolation from external noise and microphone spill. • Wide frequency response for detailed audio monitoring. • Comfortable design suitable for extended studio sessions. • Robust construction suitable for continuous professional use. • Compatible with professional headphone amplifiers, audio interfaces, mixers, and monitoring systems. • Replaceable cables and ear cushions where supported by the manufacturer. • Suitable for use in control rooms, live rooms, and teaching environments. • Supplied complete with all required cables, adapters, and accessories for normal operation.	
Lot2C-16	Large-Diaphragm Valve Condenser Microphone – Professional-grade large-diaphragm valve condenser microphone designed for high-quality recording of vocals, speech, acoustic instruments, and voice-over applications. The microphone shall provide detailed audio capture, extended frequency response, and low-noise performance suitable for professional recording, production, and audio education environments. Features • Professional large-diaphragm valve (Vacuum Tube) condenser microphone. • Suitable for recording vocals, speech, acoustic instruments, and voice-over applications. • High-sensitivity audio capture with detailed and natural sound reproduction. • Wide frequency response suitable for professional studio recording. • Low-noise operation for critical recording applications. • Dedicated external power supply designed for valve microphone operation. • Professional balanced audio connectivity for integration with studio systems. • Suitable for music production, podcasting, recording, and audio education environments. • Robust construction suitable for continuous professional studio use. • Supplied complete with microphone mount, power supply, cabling, protective storage solution, and all accessories required for operation.	1
Lot2C-17	Large-Diaphragm Condenser Microphone – Professional-grade large-diaphragm condenser microphone designed for high-quality recording of vocals, speech, acoustic instruments, voice-over, and broadcast applications. The microphone shall provide detailed audio capture, low-noise performance, and selectable pickup patterns suitable for professional recording, production, and audio education environments. Features • Professional large-diaphragm condenser microphone. • Large-diaphragm capsule designed for detailed and accurate audio capture. • Suitable for recording vocals, speech, acoustic instruments, voice-over, and broadcast applications. • Multiple selectable polar patterns, including cardioid, omnidirectional, and figure-of-eight. • Wide frequency response suitable for professional studio recording applications. • High-sensitivity audio capture with low self-noise characteristics. • Phantom power operation compatible with professional microphone preamplifiers and audio interfaces. • Professional balanced audio connectivity for integration with studio systems. • Robust construction suitable for continuous professional studio use. • Supplied complete with shock mount, protective storage solution, and all accessories required for operation.	2
Lot2C-18	Matched Stereo Condenser Microphone Pair – Professional-grade matched stereo pair of small-diaphragm condenser microphones designed for high-quality recording of acoustic instruments, ensembles, percussion, room ambience, and stereo source capture. The microphones shall	1

	provide accurate transient response, detailed audio reproduction, and low-noise performance suitable for professional recording, production, and audio education environments. Features • Professional matched stereo pair of small-diaphragm condenser microphones. • Small-diaphragm condenser capsule design for detailed and accurate audio capture. • Suitable for recording acoustic instruments, percussion, choirs, ensembles, room ambience, and stereo recording applications. • Fast transient response and natural sound reproduction. • Cardioid pickup pattern for focused source capture and reduced off-axis noise. • Wide frequency response suitable for professional recording applications. • Low self-noise performance for critical recording environments. • Phantom power operation compatible with professional microphone preamplifiers and audio interfaces. • Professional balanced audio connectivity for integration with studio systems. • Robust construction suitable for continuous professional studio use. • Supplied as a factory-matched stereo pair complete with microphone clips, windshields, protective storage solution, and all accessories required for operation.	
Lot2C-19	<u>Ribbon Microphone</u> – Professional-grade ribbon microphone designed for high-quality recording of vocals, instruments, amplifiers, percussion, ensembles, and broadcast applications. The microphone shall provide smooth, natural sound reproduction, excellent transient response, and detailed audio capture suitable for professional recording, production, and audio education environments. Features • Professional ribbon microphone for studio recording applications. • Ribbon transducer design providing natural and detailed sound reproduction. • Suitable for recording vocals, guitar amplifiers, brass, strings, percussion, and acoustic instruments. • Figure-of-eight polar pattern for versatile recording techniques. • Smooth high-frequency response and accurate transient reproduction. • High maximum sound pressure level suitable for demanding recording sources. • Professional balanced audio connectivity for integration with studio systems. • Suitable for music production, recording, broadcast, and audio education environments. • Robust construction suitable for continuous professional studio use. • Supplied complete with microphone mount, protective storage solution, and all accessories required for operation.	2
Lot2C-20	<u>Dynamic Instrument Microphone</u> – Professional-grade dynamic microphone designed for close-miking of instruments, amplifiers, percussion, and speech applications within recording, live production, broadcast, and audio education environments. The microphone shall provide reliable performance, high sound pressure handling capability, and accurate audio reproduction suitable for a wide range of recording and production tasks. Features • Professional dynamic microphone for instrument and speech applications. • Suitable for recording amplified instruments, percussion, brass, woodwind, vocals, and general studio sources. • Directional pickup pattern for focused source capture and reduced background noise. • High sound pressure level handling capability. • Clear and detailed audio reproduction with strong transient response. • Robust construction suitable for continuous professional use. • Professional balanced audio connectivity for integration with studio systems. • Suitable for music production, broadcast, live sound, and audio education environments. • Compatible with standard microphone stands, clips, and mounting systems.	2

	Supplied complete with microphone clip, protective storage solution, and all accessories required for operation.	
Lot2C-21	Dynamic Vocal Microphone – Professional-grade dynamic microphone designed for vocal recording, speech capture, broadcasting, podcasting, live production, and audio education applications. The microphone shall provide clear and intelligible speech reproduction, effective rejection of unwanted background noise, and reliable performance in both studio and live sound environments. Features - Professional dynamic microphone for vocal and speech applications. - Suitable for recording, podcasting, broadcasting, public address, and live performance. - Directional pickup pattern for focused sound capture and reduced background noise. - Clear and natural vocal reproduction with excellent speech intelligibility. - High sound pressure level handling capability. - Robust construction suitable for continuous professional use. - Professional balanced audio connectivity for integration with studio and sound reinforcement systems. - Suitable for music production, broadcast, live sound, and audio education environments. - Compatible with standard microphone stands, clips, and mounting systems. - Supplied complete with microphone clip, protective storage solution, and all accessories required for operation.	2
Lot2C-22	Drum Microphone Kit – Professional-grade drum microphone kit designed for the recording, reinforcement, and production of drum kits and percussion instruments within studio, live sound, and audio education environments. The kit shall provide a combination of microphones optimised for kick drum, snare drum, toms, overheads, and percussion applications, enabling comprehensive multi-microphone drum recording and production workflows. Features - Professional microphone kit for drum and percussion recording applications. - Suitable for studio recording, live sound reinforcement, music production, and audio education. - Includes a combination of microphones optimised for kick drum, snare drum, toms, overhead, and percussion capture. - Designed to support multi-channel drum recording techniques. - High sound pressure level handling suitable for close-miking loud sound sources. - Directional microphone designs for focused source capture and reduced stage or room spill. - Provides balanced and detailed capture of complete drum kit performances. - Compatible with professional microphone preamplifiers, audio interfaces, mixers, and recording systems. - Robust construction suitable for continuous professional use. - Supplied complete with microphone clips, mounting hardware, protective storage case, and all accessories required for operation.	1
Lot2C-23	Kick Drum Microphone – Professional-grade dynamic microphone designed for kick drum, bass instruments, low-frequency percussion, and high sound pressure level recording applications. The microphone shall provide accurate low-frequency reproduction, high SPL handling capability, and reliable performance for studio recording, live sound reinforcement, and audio education environments. Features - Professional dynamic microphone for kick drum and low-frequency instrument applications. - Suitable for recording kick drums, bass cabinets, floor toms, percussion, and other high-SPL sound sources.	1

	• Tailored frequency response for low-frequency and impact-rich sources. • High sound pressure level handling capability. • Directional pickup pattern for focused source capture and reduced background noise. • Delivers clear attack and defined low-frequency reproduction. • Professional balanced audio connectivity for integration with studio and live sound systems. • Robust construction suitable for continuous professional use. • Compatible with standard microphone stands, clips, and mounting systems. • Supplied complete with microphone mount, protective storage solution, and all accessories required for operation.	
Lot2C-24	Tall Boom Microphone Stand – Professional-grade microphone stand with adjustable height and boom arm, designed for studio recording, live room, broadcast, podcasting, and audio education applications. The stand shall provide stable microphone support, flexible positioning, and reliable operation for vocal, speech, instrument, and ensemble recording environments. Features • Professional-height microphone stand with adjustable boom arm. • Suitable for vocal, speech, instrument, podcasting, and broadcast applications. • Adjustable height and boom positioning for flexible microphone placement. • Stable base design for secure microphone support. • Durable metal construction suitable for continuous professional use. • Suitable for use with dynamic, condenser, ribbon, and broadcast microphones. • Integrated cable management features where applicable. • Compatible with standard microphone clips, shock mounts, and accessories. • Suitable for control rooms, live rooms, teaching spaces, and performance environments. • Supplied complete with all required fittings and accessories for normal operation.	10
Lot2C-25	Low-Profile Boom Microphone Stand – Professional-grade low-profile microphone stand with adjustable boom arm, designed for close-miking applications within recording studios, live rooms, podcast studios, and audio education environments. The stand shall provide stable support and flexible microphone positioning for instruments, amplifiers, percussion, and other low-height recording applications. Features • Professional low-profile microphone stand with adjustable boom arm. • Suitable for instruments, amplifiers, percussion, speaker cabinets, and close-miking applications. • Adjustable height and boom positioning for flexible microphone placement. • Compact design suitable for use in confined recording spaces. • Stable base construction for secure microphone support. • Durable metal construction suitable for continuous professional use. • Compatible with dynamic, condenser, ribbon, and specialist microphones. • Suitable for recording, broadcast, music production, and audio education environments. • Compatible with standard microphone clips, shock mounts, and accessories. • Supplied complete with all required fittings and accessories for normal operation.	5
Lot2C-26	Overhead Microphone Stand – Professional-grade overhead microphone stand with extended boom arm, designed for the positioning of microphones above performers, instruments, ensembles, percussion, drum kits, and recording spaces. The stand shall provide stable support, extended reach, and flexible microphone placement for studio recording, broadcast, music production, and audio education applications. Features • Professional overhead microphone stand with extended boom arm. • Suitable for drum overheads, ensemble recording, room microphones, choirs, and instrument capture.	2

	- Extended height and reach for elevated microphone positioning. - Adjustable height and boom angle for flexible placement. - Stable heavy-duty base for secure support of professional microphones. - Durable metal construction suitable for continuous professional use. - Compatible with dynamic, condenser, ribbon, and specialist microphones. - Suitable for recording, broadcast, music production, and audio education environments. - Compatible with standard microphone clips, shock mounts, and accessories. - Supplied complete with all required fittings and accessories for normal operation.	
Lot2C-27	10m Microphone Cables - Professional-grade balanced microphone cables designed for reliable audio signal transmission between microphones, audio interfaces, mixers, preamplifiers, and recording equipment within studio, broadcast, podcasting, and audio education environments. The cables shall provide low-noise performance, durable construction, and secure connectivity for professional audio applications. Features - Professional balanced microphone cable assemblies. - Nominal cable length of 10 metres. - Suitable for studio recording, broadcast, podcasting, live sound, and audio production applications. - Low-noise signal transmission for high-quality audio performance. - Professional-grade connectors with secure and reliable termination. - Durable cable construction suitable for continuous professional use. - Flexible design to support cable management and studio installation requirements. - Compatible with microphones, mixers, audio interfaces, preamplifiers, and recording systems. - Suitable for permanent and temporary deployment within studio environments. - Supplied fully terminated, tested, and ready for connection and operation.	15
Lot2C-28	Dual Monitor Mount – Professional-grade dual-arm desktop monitor mounting system designed to securely support and position two computer displays within recording studios, control rooms, production suites, and educational environments. The mounting system shall provide flexible adjustment, ergonomic screen positioning, and efficient workspace management for audio production, editing, and media creation applications. Features - Professional dual-monitor mounting solution for desktop installations. - Supports two display screens from a single mounting system. - Adjustable positioning for screen height, tilt, swivel, and viewing angle. - Enhances ergonomic workstation setup and user comfort. - Suitable for recording, editing, production, broadcast, and educational environments. - Desk-mounted design with secure fixing arrangement. - Integrated cable management features where applicable. - Compatible with industry-standard monitor mounting interfaces. - Robust construction suitable for continuous professional use. - Supplied complete with all required mounting hardware, fixings, and installation accessories.	2
Lot2C-29	External 2TB Solid-State Drive – Professional-grade external solid-state storage device designed for the storage, transfer, backup, and transport of audio, video, and multimedia production files. The device shall provide high-capacity, high-speed storage suitable for recording, editing, project archiving, and content creation workflows within professional studio and educational environments. Features - Professional external solid-state storage device. - Minimum storage capacity of 2 TB.	2

	• Suitable for audio recording, video production, editing, backup, and project archiving applications. • High-speed data transfer performance for professional media workflows. • Compatible with Windows and macOS operating systems. • USB connectivity for integration with computers and production equipment. • Compact and portable design for convenient transport and deployment. • Durable construction suitable for regular professional use. • Suitable for storing large audio, video, and multimedia project files. • Supplied complete with all required connection cables, software utilities (where applicable), and accessories.	
Lot2C-30	PTZ Camera – Professional-grade PTZ (Pan-Tilt-Zoom) camera designed for high-quality video capture in podcasting, broadcasting, streaming, teaching, recording, and content creation environments. The camera shall provide remote operation, high-definition image quality, flexible connectivity, and seamless integration with professional production and IP video systems. Features • Professional PTZ camera for studio and production applications. • High-definition video capture with optical zoom capability. • Remote pan, tilt, and zoom operation. • Suitable for podcasting, broadcasting, streaming, recording, and educational content production. • Multiple connectivity options, including video, USB, and network interfaces. • Supports integration with professional video production, switching, and control systems. • High-quality image processing for clear and consistent video output. • IP-based control and streaming capabilities. • Quiet and smooth camera movement suitable for live production environments. • Suitable for fixed installation within studios, teaching spaces, and production facilities. • Supplied complete with all required mounting hardware, power supplies, control accessories, and connectivity components for installation and commissioning.	2
Lot2C-31	Camera Mounting System – Professional-grade camera mounting brackets and support stands designed for the secure installation and positioning of PTZ cameras within recording studios, podcast studios, teaching spaces, broadcast environments, and production facilities. The solution shall provide stable support, flexible positioning, and safe integration with the overall video production system. Features • Professional mounting solution for PTZ and production cameras. • Suitable for wall-mounted, ceiling-mounted, desk-mounted, tripod-mounted, or freestanding installation, as required. • Provides secure and stable camera support. • Adjustable positioning to achieve optimal camera angles and coverage. • Robust construction suitable for continuous professional use. • Compatible with industry-standard camera mounting interfaces. • Integrated cable management features where applicable. • Suitable for fixed installations within studios, control rooms, teaching spaces, and production environments. • Designed to support remote camera operation and professional video workflows. • Supplied complete with all required mounting hardware, fixings, brackets, supports, and installation accessories.	2
Lot2C-32	Integration Components and Adaptors – Professional-grade ancillary equipment and integration components required to facilitate the installation, interconnection, configuration, and commissioning of the complete studio system. This shall include adaptors, connectors,	1

	converters, signal embedding devices, power accessories, and other miscellaneous components necessary to achieve a fully functional and operational installation. Features • Professional-grade system integration and connectivity accessories. • Includes adapters, connectors, converters, signal management devices, and power accessories as required. • Supports audio, video, network, control, and power system integration. • Compatible with all installed recording, production, monitoring, and broadcast equipment. • Enables interconnection between differing equipment formats and interfaces where required. • Suitable for permanent professional studio installation. • Robust construction suitable for continuous operation. • Fully tested and commissioned as part of the completed system installation. • Includes all ancillary components necessary to deliver a complete and operational solution. • Supplied complete with all required components necessary for installation and commissioning.	
Lot2C-33	<u>Custom Studio Desk</u> – Professional-grade custom-built studio desk designed for recording, production, editing, and audio education environments. The desk shall provide an ergonomic workspace incorporating integrated equipment rack space, monitor platform, and cable management facilities to support efficient operation of studio hardware, computer systems, and audio production equipment. Features • Purpose-built studio desk for recording, production, and audio education environments. • Integrated equipment rack bays for the installation of studio hardware and signal processing equipment. • Dedicated monitor shelf for computer displays, loudspeakers, and production accessories. • Integrated cable management system for audio, video, network, control, and power cabling. • Ergonomic design to support efficient studio workflows and user comfort. • Suitable for accommodating computers, audio interfaces, control surfaces, monitors, and ancillary equipment. • Robust construction suitable for continuous professional use. • Designed to maintain a tidy and organised production workspace. • Suitable for installation within control rooms, production suites, and teaching environments. • Supplied complete with all required fixings, accessories, and components necessary for installation and commissioning. Tenderers should allow an appropriate contingency for unforeseen integration requirements.	1
Lot2C-34	<u>High-Speed HDMI Cable</u> – Professional-grade high-speed HDMI cable designed for the transmission of digital video and audio signals between displays, computers, cameras, presentation systems, and production equipment. The cable shall support high-resolution video formats and provide reliable signal transmission for studio, educational, broadcasting, and content creation environments. Features • Professional high-speed HDMI cable. • Nominal cable length of 10 metres. • Suitable for transmitting digital video and audio signals.	1

	• Supports high-resolution video formats, including Ultra High Definition (UHD) applications. • Suitable for displays, televisions, computers, cameras, switchers, and production equipment. • Robust cable construction suitable for continuous professional use. • High-quality connectors for secure and reliable connectivity. • Compatible with professional AV, broadcast, presentation, and studio systems. • Suitable for permanent and temporary installation applications. • Supplied fully terminated, tested, and ready for operation.	
Lot2C-35	<u>Installation, Configuration and Commissioning Services</u> - Provision of all services required for the preparation, delivery, installation, configuration, testing, commissioning, and handover of the complete studio solution. The contractor shall be responsible for ensuring that all equipment, furniture, software, and systems are fully operational and ready for use upon completion of the project. Features • Installation, configuration, testing, and preparation of computers and software prior to delivery. • Delivery of all equipment, furniture, and associated components to the installation site. • Removal and environmentally responsible disposal of all packaging, waste materials, and installation debris. • Assembly and installation of furniture and equipment on site. • Configuration and integration of all hardware, software, audio, video, network, and control systems. • Testing and verification of all installed equipment and system functionality. • Full system commissioning to confirm operational readiness. • Rectification of any installation or configuration issues identified during testing. • User training covering operation of equipment, software, and studio systems. • Provision of all documentation, manuals, licences, and configuration information relevant to the installed system. • Complete handover of a fully operational and commissioned studio environment.	1

All equipment proposed shall be fully compatible with the overall IT & Recording Studio incorporating Control and Live Rooms solution and shall be suitable for professional studio recording, educational, broadcasting, and content creation environments.