

Hybrid Event Studio – Technical Specifications

The Studio

- 12 x 12 x 2.75m ground supported truss structure, blacked out with black wool serge
- Main stage 11 x 3 x 0.3m, carpet finish
- Lower stage 11 x 2 x 0.1m, carpet finish
- Clear floor area 11 x 6m
- Power – 2 x 32A TPNE
- Main stage capacity with 2m social distancing – 5 pax

Lighting

- 8 x Chauvet R2 wash
- 4 x Chauvet R3 wash
- 6 x Elation Artiste DaVinci
- 7 x LED PAR (truss leg toning)
- 1 x Avolites Quartz
- 1 x NET-X II ArtNET node

Audio

- 2 x L-Acoustics X8 – presenter foldback (eg from remote callers)
- 2 x L-Acoustics X8 – audience foldback
- Yamaha QL1 console
- 6 x Sennheiser EW300 G4 lapel/handheld/DPA headset
- Dante routing to and from streaming servers – eg custom mix of only remote callers to presenter foldback
- Discreet wireless IFB (talk to presenters) available if required

LED Wall & Comfort Monitor

- 10x2.5m Unilumin UPAD III 2.6mm pitch – 3840x960 pixels, up to 4 PIP sources
- Samsung 98" QM98F presenter monitor, up to 3 PIP sources
- Barco s3-4k for routing and processing the above
- Resolume Arena server for dynamic or static LED wall content
- VT playback via Arena, QLab or Playback Pro
- PowerPoint and Keynote integration with clicker, either full resolution or PIP
- Autocue and timer systems
- All systems NDI enabled for routing to stream

Streaming System

- High spec servers – i7-9700K, 32GB RAM, dual M2 SSD drives, Quadro P4000 graphics
- Quad 3G-SDI PCI capture
- vMix Pro
- All systems NDI enabled for capture and transmit
- Up to 8 remote callers with return audio and video selection
- Remote caller chat system

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- Streaming to multiple platforms simultaneously if required
- Compatible with all major streaming platforms - Teams, Zoom, Vimeo, YouTube, Facebook, WebEX
- Custom overlays/stream designs created in house with multiple windows, logos etc
- Lower thirds, logos, titles created in house

Network

- All machines via 1Gbps connection
- Failsafe enterprise backbone switch with 322Gbps capacity
- Two load balanced VDSL connections with static IPs, 80/20
- All critical equipment on UPS supply



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