



AV31 – Collaborative Space Type 1 AV Standard

User Requirements

- Front of room 100” projection system.
- Fixed lectern position with multiple breakout display locations throughout space.
- One AV source to all display capability with full video and audio processing.
- Wireless microphones system for in room speech reinforcement and software video conferencing.
- Ceiling Pan-tilt-zoom camera for software video conferencing.
- Ceiling speakers for content playback.
- IR hearing augmentation.

Lectern Location

- Fixed lectern with AVPC provided for UniSA staff.
- BYOD connectivity via included HDMI cable either in lectern retractor box or on wall plate.
- Document camera with feeds to AVPC & AV system.
- Full control of the AV system from a touch screen control panel.

Breakout Locations

- Wall mounted LCD display.
- Single AVPC provided per table with BYOD connectivity via included HDMI retractor box.
- Control pad allowing control of individual display.

Options

(MDT) – Mobile Display Trolleys

- Moves the breakout LCD displays onto mobile trolley units.

(TCH) – Touch LCD Capability

- Swaps out breakout LCD displays for multi-touch LCD displays on height adjustable mount.



Technical Requirements

Displays

Breakout location displays

- **LCD Display – Non-touch**
 - Quantities determined by space requirements.
- **LCD mount – Fixed**

TCH Option – Breakout touch displays

- **LCD Display – Touch**
 - 85" or larger.
 - Replaces non-touch LCD displays.
- **LCD mount – Height adjustable**

MDT Option – Mobile display trolleys

- **LCD Display trolley – Collaborative COW**
 - Replaces LCD mount and moves display and control pad onto Mobile trolley unit.

Front of room projection

- **Projector – Medium**
- **Projector Ceiling Mount**
- **Projector Screen – Manual**

Sources

AVPC

- **AVPC**
 - All in one form factor mounted upon Lectern.
 - Micro form factor mounted behind each breakout display or in each table.
 - Wired keyboard & mouse.

Document Camera

- **Document Camera – Ceiling**
- *OR* **Document Camera – Flatbed**

BYOD

- **BYOD – Retractor**
 - Mounted in Lectern top.
- *AND/OR* **BYOD – Wall plate**
 - Mounted in Lectern top.
 - 1x mounted in each breakout table.



Video

Video Transport

- **Video Distribution – AV over IP**
 - Encoder for lectern location.
 - Encoder per breakout location.
 - Decoder for each display location.
- **Switcher – Video**
 - 2 HDMI inputs.
 - LAN Connectivity.
 - One per breakout table location.

Ceiling USB Camera

- **Camera – USB PTZ**
- **Extension – USB**

Audio

Audio DSP

- **Audio DSP – Medium**

Microphones

- **Microphone – Wireless System**
 - 2x channels – 1x Handheld & 1x Lapel.

Hearing Augmentation

- **Hearing Augmentation – IR Transmitter**

Speakers

- **Speakers – Ceiling mounted passive**
- **Audio Amplifier**

Control

Control Processor

- **Control Processor**

Touch Panel

- **Touch Control Panel**
 - Mounted to or near lectern.

Control Pads

- **Control Pad – Small**
 - One at each breakout display location.



Architectural / Security

Network Switch

- **Network Switch**
 - Sufficient ports for all AV and AV over IP endpoints.
 - Multicast segregation from UniSA Network.
 - Supplied by UniSA ISTS Network Services.

AV Rack

- **Rack - Small**

Power Distribution Unit

- **Power Distribution Unit**

Signage

- **Signage**

Additional Information

More information pertaining to equipment specs and installation, cabling and infrastructure requirements can be found in sections 3.0.0 to 5.2.0 of the complete AV Standards & Specifications document.