



## AV32 – Collaborative Space Type 2 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.
- 3x AVPC provided per table with single BYOD connectivity via included HDMI retractor box.
- Control pad allowing control of individual display.

### **Options**

#### (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 in breakout locations.
- **Switcher – USB**
  - One unit for each breakout display location.
- **LCD mount – Height adjustable**
  - Replaces fixed LCD mounts at each breakout display location.

#### *Front of room projection*

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

### Sources

#### *AVPC*

- **AVPC**
  - 1x Mounted upon Lectern.
  - 3x Mounted upon each breakout 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 table location.
  - Decoder for each display location.
- **Switcher – HDMI**
  - 4 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**



#### 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.