



AV41 – Video Production Suite AV Standard

User Requirements

- Green screen backdrop with controllable video studio lighting.
- Pan-tilt-zoom camera for video capture.
- AVPC with monitor for content capture.
- Teleprompter PC & display with footswitch.
- BYOD connectivity via included HDMI cable from wall plate.
- Direct-to-USB recording and Streaming from video mixer system.
- Full control of the AV and lighting system from dual touch screen control panels.
- Dual LCD Displays for AVPC and Output preview.
- Wireless microphone system for speech capture.
- External/Internal automatic recording light system.
- Physical acoustically treated surfaces in room to optimize audio experience.
- Portable Lectern with castors.



Technical Requirements

Displays

LCD Display

- **LCD Display – Non-touch (x2)**
 - 42" to 55" diagonal display size.
 - Automated power and input sensing & control.
- **LCD mount – Fixed (x2)**
- **LCD Display – Teleprompter**
 - 22" to 32" monitor with in-built image mirroring.
 - Camera enclosure within one-way mirror.

Sources

AVPC

- **AVPC (x2)**
 - Micro form factor mounted in AV rack.
- **AVPC Monitor**
 - Mounted on top of rack or front table.

Camera

- **Camera – Video PTZ**
 - Black chassis colour.
 - SDI and USB Video transport connectivity.

Video

Video Transport

- **Switcher – Video**
- **Vision Mixer**
 - Chroma key with fine adjustment.
 - Picture in picture functionality.
- **Recorder – Media Streamer**
 - IP Control.
 - Internal HDD & external USB recording capable.
 - Network live streaming via RTSP.

Audio

Audio DSP

- **Audio DSP – Small**

Microphones

- **Microphone – Wireless system**
 - 2x channels – 2x Lapel.
- **Microphone – Ceiling Studio**
 - 2x Ceiling mounted on boom arms.



Control

Control Processor

- **Control Processor**

Touch Panel

- **Touch Control Panel**

Teleprompter Foot Switch

- **USB - Foot Switch**
 - Connected to Teleprompter AVPC.
- **Extension - USB**

Architectural / Security

Network Switch

- **Network Switch**
 - 12 network ports.

AV Rack

- **Rack - Small**

Power Distribution Unit

- **Power Distribution Unit**

Mobile Lectern

- **Mobile Lectern**
 - Mounted on castors.
 - Matte black finish.

Video Backdrop

- **Backdrop**
 - Even green material or painted surface.
 - Coverage on entire rear room surface.

Physical Treatment

- **Lighting - Video LED**
 - Front and Rear lights.
 - PDU managed.
 - Ceiling mounted on lighting bars using barrel clamps.
- **Acoustic Room Treatment**
 - Acoustic panelling and treatment to improve the acoustic room conditions.
 - Minimum of 60% coverage on walls and ceilings.
 - AV rack to have additional noise isolation.

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.