### Specifications

#### Video Input Formats

<table>
<thead>
<tr>
<th>Format</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1080p</td>
<td>59.94Hz Level A</td>
</tr>
<tr>
<td>1080p</td>
<td>50Hz Level A</td>
</tr>
<tr>
<td>720p</td>
<td>59.94Hz</td>
</tr>
<tr>
<td>720p</td>
<td>50Hz</td>
</tr>
<tr>
<td>576i</td>
<td>50Hz</td>
</tr>
<tr>
<td>1080i</td>
<td>59.94Hz</td>
</tr>
<tr>
<td>1080i</td>
<td>50Hz</td>
</tr>
<tr>
<td>720i</td>
<td>50Hz</td>
</tr>
<tr>
<td>576i</td>
<td>50Hz</td>
</tr>
</tbody>
</table>

#### Power Consumption

- Switcher IP: 192.168.0.123
- XPression IP: 192.168.0.113
- FTP User: user
- FTP Password: password
- Audio Breakout: 45W, 1.5A, 120V
- Power: 185W, 1.54A, 120V

#### Video Input Specifications

- Edition: Belden 1694 cable
- Maximum Current: 120mA
- Impedance: < 15 ohms
- Video Inputs, SDI: HD — tri-level sync, SD — analog black
- HDMI 1.4: >300m @ 270 Mb/s (5°-40°C), >100m @ 1.5 Gb/s, >50m @ 3Gb/s

#### Analog Audio Input Specifications

- Cables: ¼" Jack: 10K ohm, -94dB, <0.8dB @ -100dBFS
- Line: -106dB (20Hz to 20kHz @ Fs = 48kHz), ±0.3dB (22Hz to 20kHz)

#### Analog Audio Output Specifications

- Cables: ¼" Jack: +24dBu, 0% modulation, ±0.4dB (22Hz to 20kHz)
- Line: -103dB (20Hz to 20kHz @ Fs = 48kHz)
- Signal to Noise Ratio: >93dB
- THD: <0.3dB or <0.002%
- Crosstalk: >40dB

### Notes

- IN1 loops to OUT1 and IN3 loops to OUT3 in bypass mode when the switcher sub-system is not running. (Cable length depends on the equipment you are using.)
- HDMI output formats are the same as the switcher is operating in. No format conversion is applied to the HDMI output except for the MultiViewer that can be 1080p.
- HDMI audio is not supported.
- MultiViewer outputs are only available on OUT5 and 6.
- The ethernet port on the right at the back of the server has be set to the default IP address for XPression. The other port is set to DHCP.
- IN1 loops to OUT1 and IN3 loops to OUT3 in bypass mode when the switcher sub-system is not running.
- The Switcher USB port is connected to the switcher sub-system and not available to the Windows OS.
- IN1 loops to OUT1 and IN3 loops to OUT3 in bypass mode when the switcher sub-system is not running.
Operation

Tip: Push the levers in to detach the keyboard. (optional)

Flip feet out for a better viewing angle.

Audio Breakout Module (ABM)

Notes:
• All digital audio must be reference locked (timed) to the same reference that the switcher subsystem is using. This includes both SDI embedded audio and AES audio inputs on the 1RU Audio Breakout Module.
• The SDI-Audio Loop HD-BNCs are for passing embedded audio to and from the audio mixer.
• The SDI1 In and Out HD-BNCs replace the HD-BNCs on the server that is used by the Audio Breakout Unit.
• The REF input is not available at this time.

Power and Cabling

Important: Ensure that Phantom Power is turned off for the Analog Input unless you are connecting a microphone that requires phantom power. Connecting the line out from an audio device to the analog input with phantom power on could damage the audio device and/or the 1RU Audio Breakout Module. For added safety, a TRS phone connector should be used for line in audio sources.

Note: It is recommended that you always connect the AC Power Adapter to the device before connecting to Mains Power.

Having a problem? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.

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