**Caution:** Before you set up and operate your server, see the “Important Safety Instructions” in your User manual.

**Installation and Cabling**

**Caution:** Before you set up and operate your server, see the “Important Safety Instructions” in your User manual.

### Ports and Connectors

#### USB 3.0

- **Mini DisplayPort**
- **Ethernet**
- **RS-222 Serial**

### Power, Video, Audio and Control Cabling

**Note:** The number of Video I/O boards in your server depends on the options installed.

**Note:** An octal breakout cable is supplied with the server and provides a dedicated RJ45 male connector (Qty 8) for serial control over each channel transports. RJ45 to D9 adapters are also provided.

### Specifications

#### SDI Video Formats

- **1080i/59.94Hz**
- **1080p/59.94Hz**

#### Operating Environment

- **Temperature:** 20 - 32°C (68 - 90°F)
- **Humidity:** 20 - 80%

#### Input Voltages

- 100 to 240V~
- 3 to 1.5A
- 60 to 50Hz

### Video/Audio Input Specifications

<table>
<thead>
<tr>
<th>Video/Audio Input Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video 1080i/50 Hz, HD-SDI 1080p/59.94Hz, HD-SDI 1080p/59.94Hz, HD-SDI 4K/120Hz at 3.0Gbps</td>
</tr>
<tr>
<td>Embedded Audio, HD-SDI 8 Tracks, 4KHz at 24-bit</td>
</tr>
<tr>
<td>Reference Input Tri-Level HD or Composite Analog SDI Terminating</td>
</tr>
</tbody>
</table>

### Video/Audio Output Specifications

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<tr>
<td>Video 1080i/50 Hz, HD-SDI 1080p/59.94Hz, HD-SDI 4K/120Hz at 3.0Gbps</td>
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<tr>
<td>Embedded Audio, HD-SDI 8 Tracks, 4KHz at 24-bit</td>
</tr>
<tr>
<td>Analog Audio Monitoring 3.5mm headphone connector, unbalanced line-level at -10dBv Selectable: stereo audio tracks from any video channel output</td>
</tr>
</tbody>
</table>

### Notes:

- Only the Reference BNC (Ref In) on the left (Ch 1) board is operational when more than one board is installed.
- The AES Digital Audio I/O ports require a third-party TASCAM DIGITAL DB25 Breakout Cable option (not supplied with system).
- The number of video boards (each with one Video Channel Pair) depends on the model of server you have.
- If you are recording from, or playing into, an external device you must have all devices connected to the same reference signal to ensure proper audio/video synchronization.
- Both RS-422 serial and ethernet control are supported for remote control.
- Kiva Presenter should not be operated in a headless configuration. A display emulator can be used if a headless configuration is required.

### Power, Video, Audio and Control Cabling

- **Ch1 PGM Video Out**
- **Ch1 PGM Key/Alpha Out**
- **Ch1 Analog Audio Out**
- **Ch1 PVW Video Out**
- **Ch1 PVW Key/Alpha Out**
- **Ch1 Record In**
- **Quad Viewer Out**

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

**Note:** An octal breakout cable is supplied with the server and provides a dedicated RJ45 male connector (Qty 8) for serial control over each channel transports. RJ45 to D9 adapters are also provided.

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