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

### Installation and Cabling

#### Power, Video, Audio and Control Cabling

**Note:** The number of Video I/O cards in your server depends on the options installed. Every video channel features an SDI input and SDI output, and every channel can be used as a recorder or player.

**Note:** An octal breakout cable is supplied with the server and provides 8 RJ45 male connectors for serial control over the first 8 channel transports. RJ45 to D9 adapters are also provided.

#### Specifications

**SDI Video Formats**

<table>
<thead>
<tr>
<th>Format</th>
<th>AVC-Intra</th>
<th>DVCPRO-HD</th>
<th>JPEGO-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>625i (576) 50Hz</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>720p 59.94Hz</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>1080p 23.98/24Hz</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>1080i 50/59.94Hz</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>1080p 50/59.94Hz</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Input Voltages**

- 100 to 240V AC
- 60 to 50Hz
- 3 to 1.5A
- 460V peak

**Default Passwords**

- Administrator: root
- User: ross

**Video/Audio Input Specifications**

<table>
<thead>
<tr>
<th>Video Inputs, SD-SDI</th>
<th>SMPTE 259M 10-bit to 270Mb/s/Embedded Audio, HD-SDI</th>
<th>8 Tracks, 48kHz at 24-bit/Embedded Audio, SD-SDI</th>
<th>4 Tracks, 48kHz at 20-bit/AES Discrete Audio</th>
<th>AES59-2012/TASCAM Digital</th>
<th>Reference Input</th>
<th>Tri-Level HD or Composite Analog SDI Terminating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Outputs, SD-SDI</td>
<td>SMPTE 259M 10-bit to 270Mb/s/Embedded Audio, HD-SDI</td>
<td>8 Tracks, 48kHz at 24-bit/Embedded Audio, SD-SDI</td>
<td>4 Tracks, 48kHz at 20-bit/AES Discrete Audio</td>
<td>AES59-2012/TASCAM Digital</td>
<td>Reference Input</td>
<td>Tri-Level HD or Composite Analog SDI Terminating</td>
</tr>
</tbody>
</table>

**Video/Audio Output Specifications**

**Analog Audio Monitoring**

3.5mm headphone connector, unbalanced, line level at -10dBv, 2 Tracks (1 stereo pair), user selectable to monitor any output track.

### Operating Environment

- **Temperature:** -5°C to 45°C (15°F to 113°F)
- **Humidity:** 20 - 90%

#### Notes:

- Only the Reference BNC (Ref In) on the left (Ch A-D) card is operational when more than one card is installed.
- The AES Digital Audio I/O ports require the TASCAM AES DIGITAL DB25 Breakout Cable option (not supplied with system).
- The number of SDI inputs and outputs 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 reference signal to ensure proper audio/video synchronization.
- A breakout cable connects to the Serial port and provides 8 RJ45 serial connectors.
- Both RS-422 serial and ethernet control are supported for remote control.
- The TC In (LINE IN) audio port is used for TC Chase.

### Power, Video, Audio and Control Cabling

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

**Valves:**

- Only the Reference BNC (Ref In) on the left (Ch A-D) card is operational when more than one card is installed.
- The AES Digital Audio I/O ports require the TASCAM AES DIGITAL DB25 Breakout Cable option (not supplied with system).
- The number of SDI inputs and outputs 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 reference signal to ensure proper audio/video synchronization.
- A breakout cable connects to the Serial port and provides 8 RJ45 serial connectors.
- Both RS-422 serial and ethernet control are supported for remote control.
- The TC In (LINE IN) audio port is used for TC Chase.

### Ports and Connectors

- **USB 3.1**
- **Power**
- **LCM**
- **AES In/Out**
- **Mini DisplayPort**
- **Analog Audio Out**
- **Quad Viewer Out**
- **DisplayPort**
- **Ethernet**
- **RS-422 Serial**
- **Power**
- **Ref In**
- **Quad Out**
- **Audio**
- **Video**

### Installation and Cabling

- **Power, Video, Audio and Control Cabling**
  - **Note:** The number of Video I/O cards in your server depends on the options installed. Every video channel features an SDI input and SDI output, and every channel can be used as a recorder or player.
  - **Note:** An octal breakout cable is supplied with the server and provides 8 RJ45 male connectors for serial control over the first 8 channel transports. RJ45 to D9 adapters are also provided.

### Specifications

- **SDI Video Formats**
  - AVC-Intra
  - DVCPRO-HD
  - JPEGO-2000

- **Input Voltages**
  - 100 to 240V AC
  - 60 to 50Hz
  - 3 to 1.5A
  - 460V peak

- **Default Passwords**
  - Administrator: root
  - User: ross

- **Video/Audio Input Specifications**
  - Video Inputs, SD-SDI
  - SMPTE 259M 10-bit to 270Mb/s
  - Embedded Audio, HD-SDI
  - 8 Tracks, 48kHz at 24-bit
  - Embedded Audio, SD-SDI
  - 4 Tracks, 48kHz at 20-bit
  - AES Discrete Audio
  - 8 or 16 Tracks
  - AES59-2012/TASCAM Digital
  - Reference Input
  - Tri-Level HD or Composite Analog SDI Terminating

- **Video/Audio Output Specifications**
  - Video Outputs, SD-SDI
  - SMPTE 259M 10-bit to 270Mb/s
  - Embedded Audio, HD-SDI
  - 8 Tracks, 48kHz at 24-bit
  - Embedded Audio, SD-SDI
  - 4 Tracks, 48kHz at 20-bit
  - AES Audio
  - 8 or 16 Tracks
  - AES59-2012/TASCAM Digital
  - Analog Audio Monitoring
  - 3.5mm headphone connector, unbalanced, line level at -10dBv, 2 Tracks (1 stereo pair), user selectable to monitor any output track.

### Operating Environment

- **Temperature:** -5°C to 45°C (15°F to 113°F)
- **Humidity:** 20 - 90%

- **Important Safety Instructions** in your User manual.