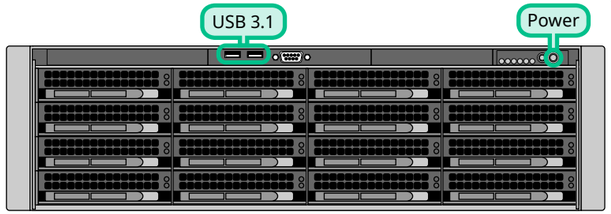
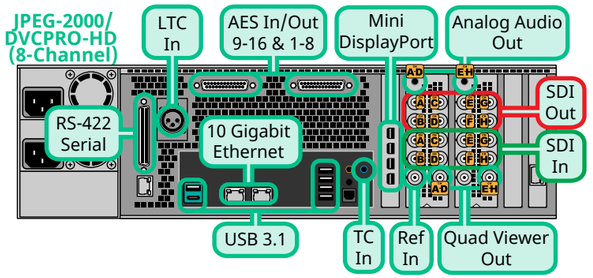
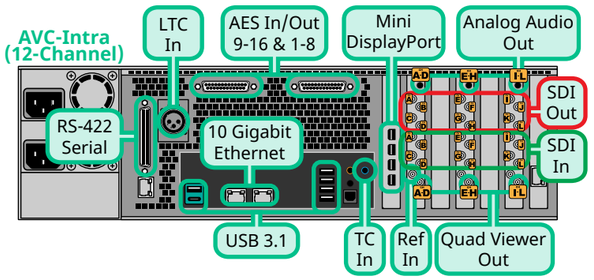
Installation and Cabling

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

Ports and Connectors







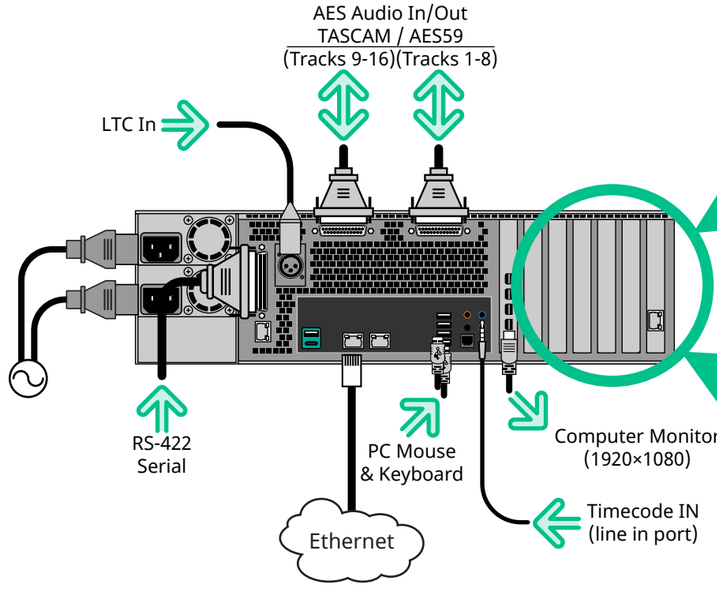
Notes:

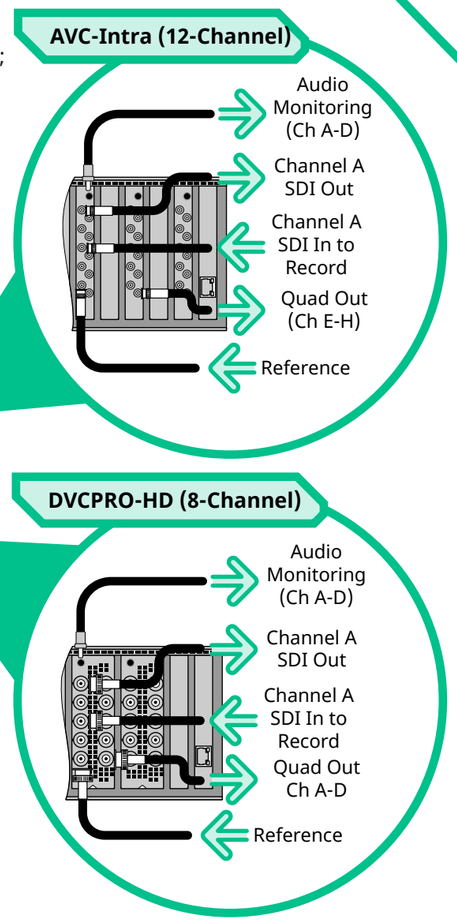
- Only the Reference BNC (Ref In) on the left (Ch A-D) card is operational when more than one card is installed.
- The AES59 Digital Audio I/O ports require the TASCAM AES DIGITAL DB25 Breakout Cable option (not supplied with system).
- The number of SDI inputs and outputs depends on the model of server you have.
- If you are recording from, or playing into, an external device you must have all devices connected to the same 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: 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.

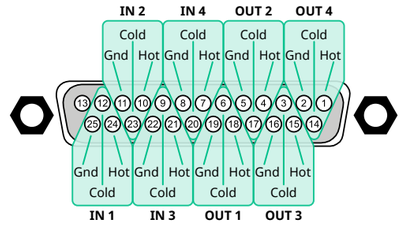




Mains Power

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

Port Pinouts



AES59-2012 (TASCAM) AES3 Port

RS422 (RJ45/DB9)

Pin	Signal
1	Gnd
2	Tx-
3	Rx+
4	Rx Gnd
5	n/c
6	Tx Gnd
7	Tx+
8	Rx-
9	n/c

Specifications

SDI Video Formats	AVC-Intra	DVCPro-HD	JPEG-2000
525i (480i) 59.94Hz	No	Yes	Yes
625i (576i) 50Hz	No	Yes	Yes
720p 50/59.94Hz	Yes	Yes	Yes
1080i 50/59.94Hz	Yes	Yes	Yes
1080p 23.98/24Hz	No	No	Yes
1080p 50/59.94Hz	Yes	No	No
UHDTV1 50/59.94Hz	Yes	No	Yes

Default Passwords	
Windows	Abekas
Administrator	multiflex

Input Voltages
100 to 240V~
3 to 1.5A
60 to 50Hz

Operating Environment	
Temperature:	20 - 35°C (68 - 95°F)
Humidity:	20 - 80%

Video/Audio Input Specifications	
Video Inputs, SDI	SMPTE 292M/424M/ST-2082
Embedded Audio	14 Channels, 48kHz at 24-bit
AES Discrete Audio	8 or 16 Channels AES59-2012 TASCAM AES3 Digital
Reference Input	Tri-Level HD or Composite Analog SD; Terminating

Video/Audio Output Specifications	
Video Outputs, SDI	SMPTE 292M/424M/ST-2082
Embedded Audio, HD-SDI	14 Channels, 48kHz at 24-bit
AES Audio	8 or 16 Channels AES59-2012 TASCAM AES3 Digital
Analog Audio Monitoring	3.5mm headphone connector, unbalanced, line-level at -10dBv, 2 Tracks (1 stereo pair), user selectable to monitor any out

Note: Some video formats require specific hardware to be installed in your server.

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