

Panasonic

AJ-HDR150

DVCPRO Server (PAL:625)



DVCPRO 50

Broadcasting and Network Sharing for SD Content

The AJ-HDR150 DVCPRO server saves and transfers data in DVCPRO formats — DVCPRO, DVCPRO50. Three stacks of the AJ-HDR150 allows simultaneous input or output of up to 12 channels with FC network.

With the AJ-HDR150, you can configure a high-speed network and share programming materials in a variety of formats to raise the efficiency of your studio operations.

The AJ-HDR150 increases productivity and simplifies workflow by enabling News Production and Playback, Programme Payout, Commercial Insertion, and Time Delay, all on the same video server.

DVCPRO Multi-Format Operation

The AJ-HDR150 can save and transfer a mixture of DVCPRO and DVCPRO50 data. This allows it to operate as a highly practical server.

Maximum 584-GB RAID System

Holds nine AJ-HDD73G (73 GB Hard Disk Drives, option) for AV data use. The AJ-HDR150 stores 40 hours of DVCPRO programming and 20 hours of DVCPRO50, with RAID-3 Redundancy-standard. Storage is expandable with Fibre Channel attached External Storage Arrays.

Multi-Channel Input/Output

Independent input or output for four channels allows parallel recording or playback of separate data. A multi-channel system can also be configured to handle specific tasks, like broadcasting or monitoring, by mounting an SDTI, SDI or analogue* interface board to each channel.

*DVCPRO compression only (AJ-YA7100 and AJ-YA7200)

RS-422A Remote Ready

Each channel is equipped with an RS-422A port (9-pin). Supporting Odetics and Louth protocols, this provides the same level of control as on broadcast VTRs.

Expandable to 12-Channel Input/Output

Contents can be shared over an FC-AL network. Cascading three AJ-HDR150 servers allows input and output for up to 12 channels.





2x/4x High-Speed SDTI Data Transfer

Compatible with DVCPRO50/DVCPRO formats, SDTI (Serial Data Transfer Interface) provides a common interface for high-speed data transfer. It transfers compressed data over a single BNC cable, with no loss of quality. Using SDTI, DVCPRO50 data can be transferred between two AJ-HDR150 servers at 2x normal speed, and DVCPRO data at 4x normal speed. The same 4x speed for DVCPRO data is also possible with a SDTI connection to an AJ-D780 VTR or AJ-DE77H/D* non-linear editor for greater editing and broadcasting efficiency.

*Must be equipped with an optional SDTI board.

FTP Transfer

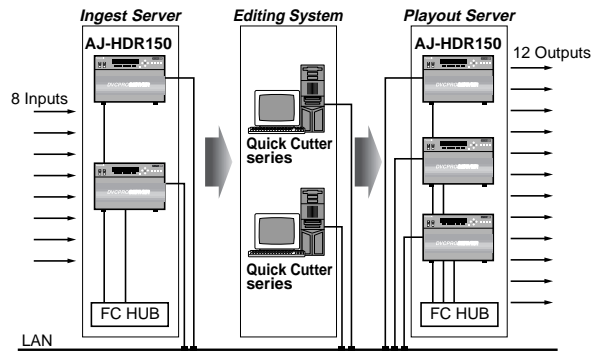
FC (fibre channel)* or Gigabit Ethernet* IP-connection enables FTP data transfer between the AJ-HDR150 and non-linear editor (AJ-DE97, AJ-DE77H/D). Data can easily be shared within the studio or adjoining areas.

*3rd party option board is required.

Reliable, User-Friendly Functions

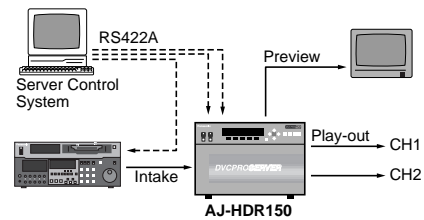
- Hot swapping of HDD
- On-line rebuild
- Redundant System disk and power supply
- Quick HDD replacing from front side
- Space-saving 6U size for rack mounting

News Production and Playback

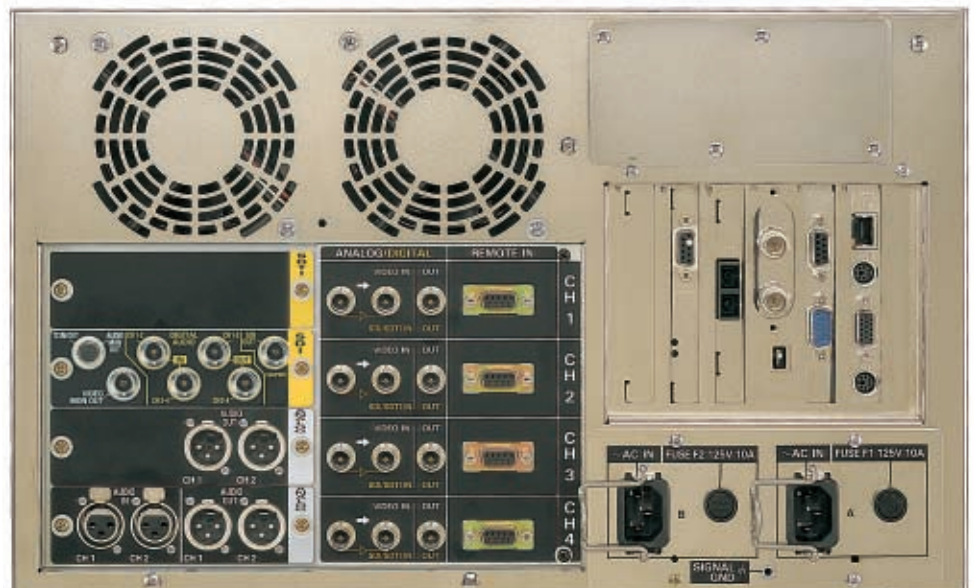


Increase productivity and simplify workflow by networking the AJ-HDR150 with the AJ-DE77H/D and AJ-DE97 non-linear editing systems for ingest, storage, editing, and playback. From camera to playback, the AJ-HDR150 interfaces with a wide range of DVCPRO camcorders, VTR's and laptop editors for a truly complete news solution.

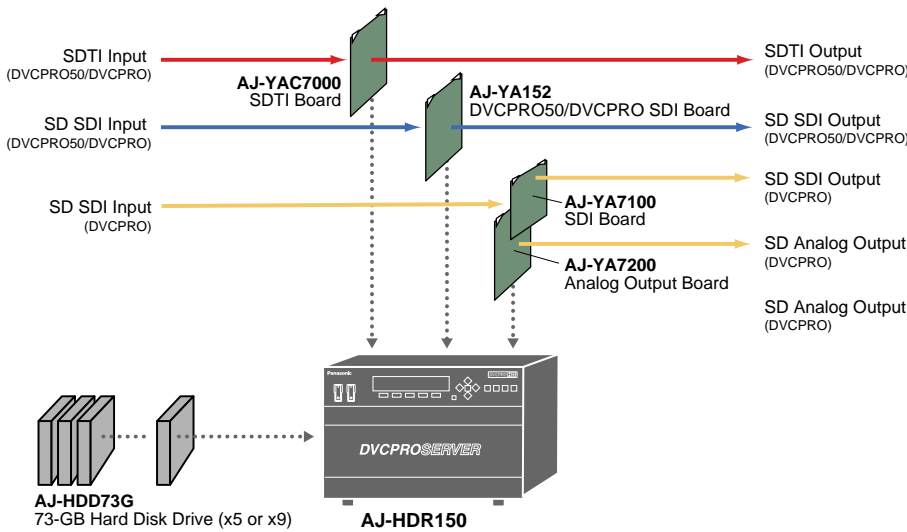
Small-Scale Broadcast System



Data stored in the AJ-HDR150 can be simultaneously broadcast over a total of three channels according to your programme list. Operating features that are not found on VTR systems include standby time and time-shifted broadcasts using the same data.



Rear Panel Optional Boards Installed



AJ-YA7200
Analog Output Board
 For DVCPRO playback/output use only. Enables output of SD analog composite video and 2-channel analog sound.



AJ-YAC7000
SDTI Board
 Provides SDTI input/output for all HD/SD formats.



AJ-YA7100 SDI Board
 For DVCPRO use only. Enables input/output of SMPTE259M-C/ 272M-compliant SD-SDI signals.
 *Requires the AJ-YA7200 for mounting.



AJ-YA152
DVCPRO50/DVCPRO SDI Board
 Facilitates serial digital input/output of both DVCPRO50 and DVCPRO. Also supports embedded audio and is compatible with AES/EBU audio (4 channels for DVCPRO50, 2 channels for DVCPRO). Capable of writing and reading VBI signals, time code in/out.



AJ-HDD73G/HDD36P
73-GB/36-GB
Hard Disk Drive
 The AJ-HDR150 is capable of housing either five or nine of these large-capacity HDD units.

S P E C I F I C A T I O N S

General	
Power Supply:	AC220 to 230V ±10%, 50/60Hz
Power Consumption:	450W
Operating Temperature:	5°C to 35°C
Operating Humidity:	10% to 80% (non wed)
Weight:	41.6 kg (without option)
Dimension (W x H x D):	424 x 265 x 637mm Rack Face to Rear Panel; 598mm
Recording Section	
Internal HDD (option):	3.5", AJ-HDD73G or AJ-HDD36P x 9 units (8 + 1 configuration, with RAID-3 Redundancy)
Recording Time:	DVCPRO50: 20 hours, DVCPRO: 40 hours (with AJ-HDD73G x 9)
Recording Format:	DVCPRO50, DVCPRO
Number of Clips:	Max. 5000 Clips
Length of Clip:	Min.: 1 sec. Max.: 24 hours (DVCPRO, AJ-HDD73G x 9 units)
System HDD:	Dual redundant, independent System Drives

Video Section	
Video CH:	In/Output 4ch
Video Input:	BNC x 1 (serves as SDTI In, Analogue In, SDI In)
Input Through:	BNC x 1 (serves as SDTI In, Analogue In, SDI In)
Video Output:	BNC x 1 (serves as SDTI In, Analogue In, SDI In)
REF Input:	VBS (with loop-through)
Sampling Frequency:	Y:13.5MHz,PB/PR:3.375MHz (DVCPRO)
Quantization:	8 bits
Control Section	
RS-422 Port:	4 channels (D-sub 9pin)
Control Protocol:	Odetics, Louth
Playback Response:	within 0.5 sec. (Standby ON) within 2 sec. (Standby OFF)
Minimal Recording Delay:	5 sec.
RS-232 Port:	1 channel (for Maintenance)
FC Port:	Host; 1 port RAID; 1 port
OS:	WindowsNT4.0

Weight and dimensions shown are approximate.
 Features and specifications are subject to change without notice.
 These products may be subject to export regulations.

Panasonic

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