

HARDATA INGEST 2320

Video recording in SD and HD - SDI based band



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2 channels recording, recording schedule, time-delay

Designed to ease the workload involved with recording content for TV broadcast, the HARDATA INGEST server features advanced automation and full compatibility with other products in our Ecosystem.

The INGEST records two channels simultaneously and stores the video content, allowing the user to preview, catalog and insert markings and tags. The server offers a manual recording mode, the ability to program a recording schedule or control it remotely through VDCP protocol.

Once the recording is finished, the server can automatically transfer the clips to a SMART FLOW server, making the content readily available to editors and programmers.

Records in SD and Full HD.

Recording schedule.

SMART, PLAYOUT 6310 and SMART FLOW integration.

Time-delay.

RAID 6 high reliability fault tolerance.

Integrated web access for remote content management and reporting.



Two channels of simultaneous recording, preview or playout from the same equipment, start and end marks for editing or programming, automatic transfers.

■ TIME DELAY

The TIME-DELAY can be set for each channel and has three modes:

Censorship: Delays the emission to give the operator time in case he needs to block the audio or video or the emission of a forbidden image or audio.

Time-shift: It is used to adjust the Prime Time to each location.

Broadcast-delay: It allows to play while recording. It is very useful in case you know when you need to start the recording but not when to broadcast the event, and that you may need to start airing the event while still recording, as for example sports events.

■ SPECIFICATIONS

FEATURES

Full HD 1080i 50/59.94/60 Hz	Yes
HD 720P 50/59.94/60 Hz	Yes
SD PAL/NSTC	Yes
Automated Scheduled Recording	Yes
Automatic Export to HARDATA SMART FLOW servers	Yes
Time Delay	Yes
RS-422 Remote Control Inputs	2
VDCP Remote Control	Yes
External Matrix Control	Yes
Video transcoding "on the fly" SD - HD, HD - SD for playback	Yes
Web Access and SDK (SOAP) interface	Yes
Out of the box, plug in, switch on and run	Yes

■ SPECIFICATIONS

VIDEO

Inputs / Outputs	2 Ch
Digital Video Input	SD-SDI, HD-SDI
Digital Video Output	SD-SDI, HD-SDI
Sync Input	Yes

AUDIO

Audio Channels	16
Digital Audio Input	SDI Embedded
Digital Audio Output	SDI Embedded

TIME DELAY

Censorship mode	1 - 30 sec
Time-Shift mode	1 - 12 hrs
Broadcast-Delay mode	0 - 12 hrs

PLATFORM

Rackmount Dell Server	2U
Hot Swap Redundant Power Supply	Yes
Hot Swap Disks Array	Yes
HDDs	8 x 600GB
Storage Array	Raid 6
Storage	3.6TB
XDCAM SD Storage (MPEG 2 @30Mbps IMX compression)	260 hrs
XDCAM HD Storage (MPEG 2 @50Mbps IMX compression)	160 hrs
Networking	2x1GbE

■ SUPPORTED FILE FORMATS

SUPPORTED FILE FORMATS		
MXF	MPEG-PS	DV
LXF	MP4	XDCAM
GXF	MPEG-PS	
MPEG-TS	MP4	

VIDEO CODECS		
DV	MPEG-1	H.265 / HEVC
DVCPRO	MPEG-2	ProRes
DVCPRO HD	MPEG-4	DNxHD
M-JPEG	H.264 / AVC	

AUDIO CODECS		
PCM	MP3	AC-3
MP2	AAC	

RECORDING FILE FORMATS
MXF XDCAM SD (MPEG 2 @30Mbps IMX)
MXF XDCAM HD (MPEG 2 @50Mbps IMX)
MOV SD (MPEG 2 @30Mbps IMX)
MOV HD (MPEG 2 @50Mbps IMX)

■ SPECIAL REQUIREMENTS

Our core capability is software engineering, and customers frequently engage us and our authorized system integration partners to support them in the design of custom solutions.

Bring us your questions and application requirements – our solution engineers are standing by to help you.

■ CONTACT US

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