

Recording & Playout System

DVStor

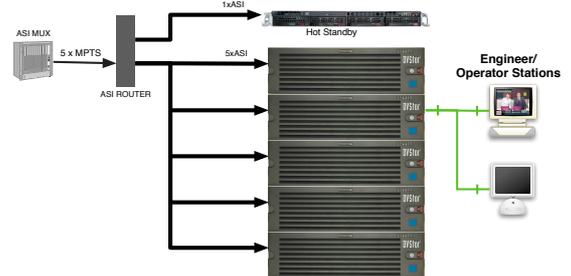
- ✓ Compliance Recording
- ✓ Recording & Playout
- ✓ Disaster Recovery Playout
- ✓ Digital Time Shift
- ✓ Media Monitoring



Compliance Recording and Logging

Government regulations or your own legal department often requires a record of all broadcast content to be retained for a number of months. In the days of only a few channels, this could easily be done with VHS or baseband recorders.

However, higher number of channels quickly makes that technique expensive and impractical.

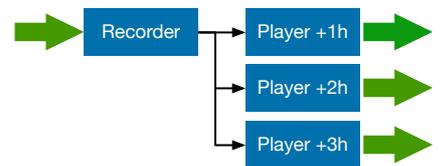


By recording the entire transport stream, DVStor enables economical compliance recording while preserving **full quality** of the recorded signal.

This enables you to easily re-purpose the content for later playout, if desired.

Digital Time Shift

Every DVStor features up to ten recorders and ten players in a single system, and all operating independently.



Recorded content is available to any player within the system, and can be played at any time in the future.

Disaster Recovery

Receiving content over international contribution links is prone to transmission outages. When disaster strikes, it is always better to have something on the air rather than a blank screen.



Enter the DVStor. Simply set the DVStor to record all received content. If there is any interruption at source, then just play out that recorded content.

The DVStor can even be configured to start playout automatically upon detecting input loss.

DVStor is a simple and effective system for recording, playing, and searching MPEG Transport Streams.

Content is recorded in original quality, and all SI, metadata, datacasting and EPG information is recorded intact.

The unique Timeline Content Browser lets you quickly locate particular content. Clips can be exported in a variety of formats, or can be combined to form playlists for later playout.

The system is available in capacities ranging from 4TB to 96TB.

Perfect Sizing

DVStor is available in sizes ranging from 1TB to 96TB, making it a perfect fit for your needs now and into the future.

The system can be further expanded through add-on expansion units making the potential almost limitless.

XS



1RU



2RU



3RU



4RU



Innovative Timeline Content Browser

Searching for a particular clip, event or point in time is a snap with the innovative DVStor Timeline Content Browser. Once located, content can be quickly exported, played out the data port or played into your browser.



The main browser display is divided into six time bands which show from years all the way down to seconds, letting you quickly scroll to any point in time.

For example, dragging the seconds bar with your mouse causes the minutes bar to move very slowly – like a clock. Of course, dragging the minutes or hours bar makes the seconds speed by.

The blue bar indicates data has been recorded during that time. Thus, making it

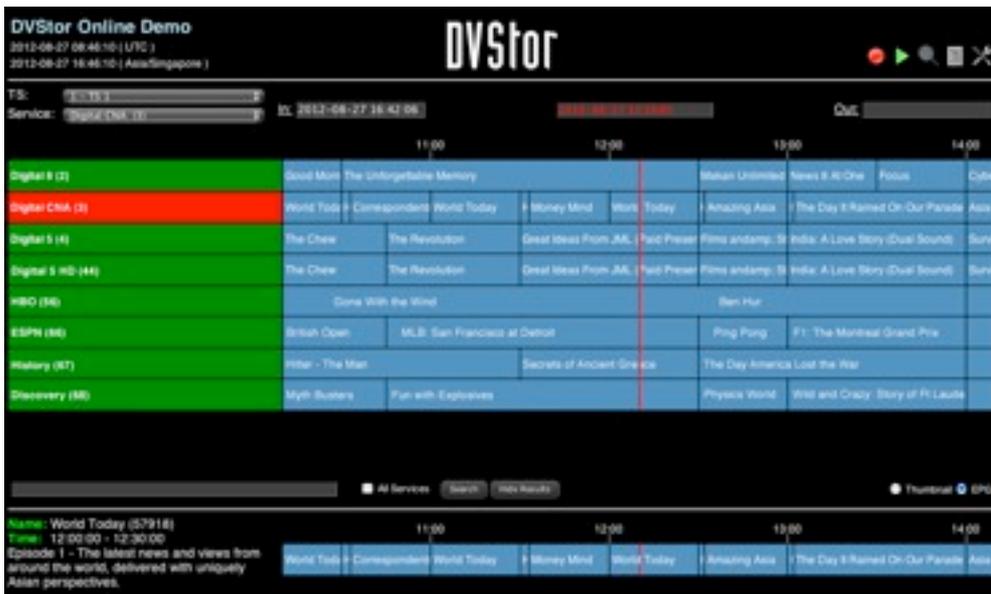
easy to locate specific segments in the case of scheduled recordings.

DVStor Multi-Flow

Whether using Ethernet or ASI, DVStor seamlessly supports both single program and multi-program transport streams. In addition, it can play and/or record to multiple IP Flows simultaneously (source/destination address pairs). For example, data recorded on one “recorder” can be played out multiple times with different time delays applied.

IP Players				
No	Alias	TS	Mode	Target IP
2	News	1	Delay	192.168.15.238:1250
3	News plus 1	-	Asset	192.168.15.238:1253
4	News plus 2	1	Delay	192.168.15.238:1254
5	News plus 3	1	Delay	192.168.15.9:88
6	Bollywood Greats	1	Delay	192.168.15.18:1240
7	Sports	1	Delay	192.168.1.1:99
8	Music Videos	1	Delay	192.168.1.2:99
9	Tamil Movies	1	Delay	192.168.1.3:99
10	Tagalog Romances	1	Delay	192.168.1.4:99

IP Recorders			
Flow	Alias	Source (IP:Port)	Destination (IP:Port)
2	News	11.22.33.100:99	11.22.33.1:99
3	Action Movies	11.22.33.100:99	11.22.33.2:99
4	Bollywood Greats	11.22.33.100:99	11.22.33.3:99
5	Sports	11.22.33.1:99	11.22.33.4:99
6	Music Videos	11.22.33.100:99	11.22.33.5:99
7	Tamil Movies	11.22.33.100:99	11.22.33.6:99
8	Tagalog Romance	11.22.33.100:99	11.22.33.7:99
9	24h Cricket	11.22.33.100:99	11.22.33.8:99
10	Business News	11.22.33.100:99	11.22.33.9:99



EPG Display

DVStor is fully EPG Aware and displays program and event information in a familiar schedule grid.

Locating a desired program is as easy as panning the schedule display left or right. Any program under the play head can immediately be played out or exported with a single click.



EPG Search

Because the system records the entire transport stream, all SI EPG information is also fully recorded.

In addition to selecting clips for Playback or export from the EPG program listing, the entire EPG can be searched for specific program names.

All matches are displayed in the search results, and from there, entire programs can be played or exported.



Clip Export

Time segments can be exported in a variety of formats – either in full, unmodified broadcast quality or in a low resolution format.

Furthermore, the date/time can be burned in on export, if desired.

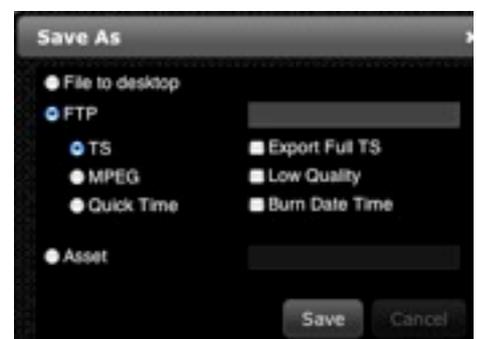
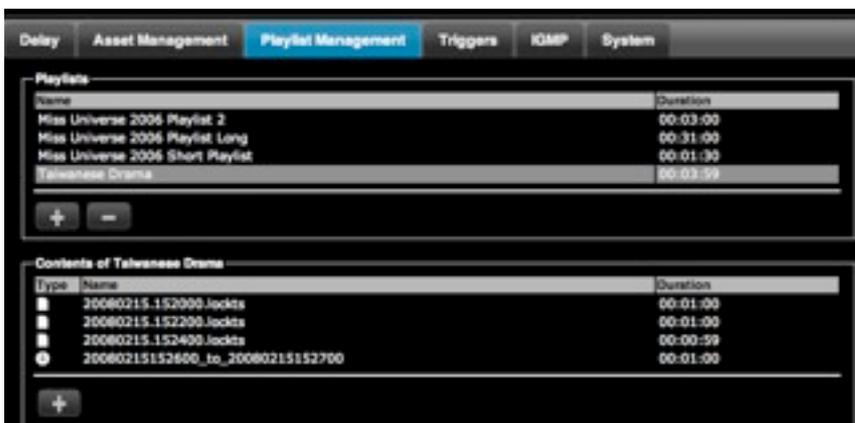
Defining clips for export is easily done by first scrolling to a point in the timeline and then clicking either 'IN' or 'OUT'.

Right-clicking on a program in the EPG display below the timeline lets you select entire programs for export in one single click.

Playlist

Using the Timeline Content Browser, you can identify the start/end points of any number of content clips. These clips can be combined together into a Playlist which can then be used as the source of playback.

Any number of playlist can be defined, which, in turn, can contain any number of content segments.



System Specifications

In addition to the standard models listed here, custom configurations are available. Contact our sales manager for more information.

Models		RAID	Gross	Net	Dimensions	Weight	Power
DVStor XS	1000 Lite	-	1 TB	930 GB	43mm H x 430mm W x 250mm D	~ 2.5kg	150W average power consumption
	4000 Lite	-	4 TB	4700 GB	43mm H x 430mm W x 250mm D	~ 2.5kg	150W average power consumption
DVStor 1U	2000	RAID-1	2,000 GB	1,800 GB	43mm H x 437mm W x 650mm D	~18kg	190W average power consumption
	4000	RAID-5	3,000 GB	2,660 GB			
	8000		6,000 GB	5,320 GB			
	12000		9,000 GB	8,080 GB			
DVStor 2U	12000	RAID-5	10,000 GB	9,000 GB	89mm H x 426mm W x 650mm D	~30kg	205W average power consumption
	18000		15,000 GB	13,500 GB			
DVStor 3U	32000	RAID-6	28,000 GB	25,500 GB	132mm H x 440mm W x 648mm D	~47kg	265W average power consumption
	48000		42,000 GB	38,000 GB			
	64000		54,000 GB	49,000 GB			
DVStor 4U	48000	RAID-6	44,000 GB	40,200 GB	178mm H x 440mm W x 666mm D	~56kg	320W average power consumption
	72000		66,000 GB	60,700 GB			
	96000		88,000 GB	80,500 GB			

Common Specifications

CPU	Intel® Core 2 Duo
RAM	2048 MB
OS	Linux 32-bit
UI	HTML5 via standards-compliant web browser
External Storage	CD/DVD Drive
Management Interface	10/100/1000 RJ-45 Ethernet
Record/Playout Interfaces	<ul style="list-style-type: none"> • 10/100/1000 RJ-45 Ethernet • ASI (option) • DVB-S/S2 (option) • ISDB-T (option)
Other Interfaces	<ul style="list-style-type: none"> • VGA video output • Dual GigE Ethernet • USB 2.0

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