

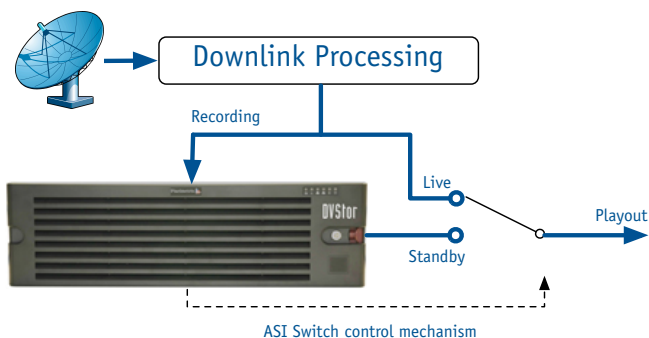
Ingress failure in mission-critical television facilities has disastrous consequences. The DVStor² provides a reliable yet economical back up playout system - automatically playing out stored or historical content upon detecting an input failure. Control for external ASI router is built in enabling unattended switchover whenever disaster strikes.

ENSURING CONTINUITY

The DVStor² records transport stream input over an IP or ASI interface and buffers and then continually plays out the recorded content with a configurable delay.

When the 'live' input link is lost, the output of the DVStor² will be used to replace the lost source. The switchover from the live source to the DVStor² output can be controlled by the DVStor², making the process automatic.

Even the most comprehensive and expensive play-out solution can fail. Budgets generally do not allow for replicating major systems for fail-safe redundancy. With the DVStor², back-up play-out solution can be set up for a fraction of the cost - ensuring that your play-out center stays online without breaking the bank.



When installed in a live network, the DVStor² has three operating states.

- 1) Buffer charge / recharge;
- 2) Normal play-out; and
- 3) Disaster play-out

Operational State 1: Buffer Charge/Recharge

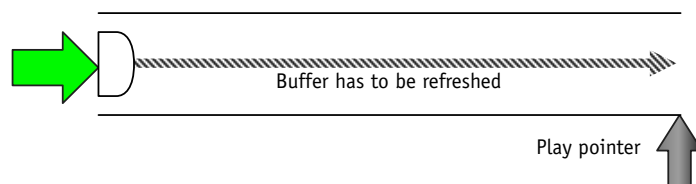
State 1a: Initial Charge

The DVStor² first needs to charge its internal buffer with content to be played. Once this buffer is full, the DVStor² is ready for delayed playback.

State 1b: Buffer Recharge

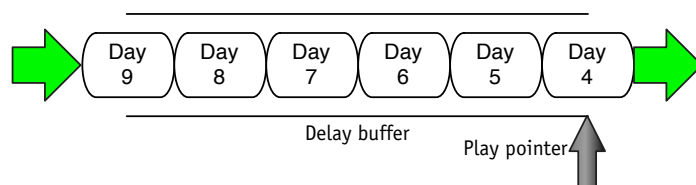
When the input signal is restored after a failure, the DVStor² will wait for manual intervention to exit operational state 3. Upon operator confirmation that the signal input is good, the DVStor² needs to recharge its buffer with the new content. During this recharge time, the delay between the input and the output of DVStor² cannot be guaranteed.

For example, assuming a delay window of 24 hours, the DVStor² requires 24 hours of error-free input signal to recharge its internal buffer.



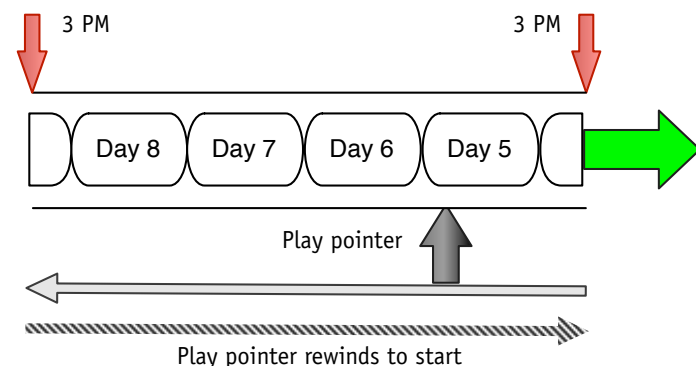
Operational State 2: Normal Playback

Once the delay buffer has been filled, the DVStor² starts playing out content from the start of the buffer, achieving delayed playback. The buffer is continually updated, replacing the oldest data, one minute's worth of content at a time.



Operational State 3: Disaster Playback

When the input signal is disrupted, the buffer update stops, but the DVStor² keeps playing out the content with the correct delay. When the DVStor² reaches the end of its buffer, it loops back to the start to continue playback.



SCALABLE & RELIABLE

The DVStor² has a delayed playout feature which can be used to monitor and substitute for one source at a time. DVStor² units can be added on along with new sources (transponders / IP links) - making it a cost-effective and scalable back-up solution.

The DVStor² comes with hot-swappable redundant storage and power sub-systems providing exceptional reliability at an affordable price

PRODUCT FAMILY

The DVStor² family comprises of four models, all with hot-swappable power supplies and storage systems. The individual models are:

- DVStor² 1U: This 1U rack-mount system comes with 8 TB of gross storage and RAID-5 storage redundancy. The net storage available is enough to archive up to four days of an 80 Mbps transport stream.
- DVStor² 2U: This 2U rack-mount system comes with 12 TB of gross storage and RAID-5 storage redundancy. The net storage available is enough to archive more than four days of an 80 Mbps transport stream.
- DVStor² 3U: This 3U rack-mount system comes with 32 TB of gross storage and RAID-6 storage redundancy. The net storage available is enough to archive nearly 30 days of an 80 Mbps transport stream.
- DVStor² 4U: This 4U rack-mount system comes with 48 TB of gross storage and RAID-6 storage redundancy. The net storage available is enough to archive more than 45 days of an 80 Mbps transport stream.

The DVStor² family is complemented by the cost-effective DVStor unit. The DVStor-1U is a 1U rack-mount system with 1 TB of gross storage and net storage capability of a day's worth of 80 Mbps transport stream data.

KEY CUSTOMERS

Pixelmetrix enjoys an equal distribution of customers among the world's geographic regions. We have product deployed on all seven continents, including Antarctica.

Key clients of Pixelmetrix include:

- Turner Entertainment (CNN, TCM, et al)
- ESPN
- HBO
- Canal+
- Telstra
- NHK
- BBC
- SBC, and others

ABOUT PIXELMETRIX

Pixelmetrix Corporation is the global expert in Preventive Monitoring for digital, cable and IPTV networks. The company provides equipment and network intelligence systems to television broadcasters for the management and monitoring of quality of service and quality of experience. Headquartered in Singapore, Pixelmetrix has offices in the United States and Europe.

Pixelmetrix has been conferred the Frost & Sullivan Industrial Technologies Award 2009, C+T Technology Development Award 2009, Engineering & Technology Emmy® Award 2007, Broadcast Engineering publication Pick Hit Award 2005 and 2008, TV Technology publication STAR Awards (Superior Technology Award Recipient) 2000, 2004 and 2007, BIRTV Product of the Year Award 2006, Cable-Satellite/Mediacast Product of the Year Awards 2003 and 2004, as well as the Peter Wayne Award 2000, for Best Design and Innovation.

For More Information

To learn more about the DVStation, request a demo, or learn how Pixelmetrix might help you optimize video network integrity, contact us today!

Pixelmetrix Corporation

31 Kaki Bukit Road 3
#07-03 Techlink
Singapore 417818

Tel: +65-6547-4935
Fax: +65-6547-4945

email: info@pixelmetrix.com

North American Sales & Support

10097 Cleary Boulevard
Suite #114 Ft. Lauderdale
Florida 33324, USA 33324

Tel: 954-472-5445
Fax: 954-472-6989

European Sales & Support

Affolternstrasse 47a
8913 Ottenbach
Switzerland

Tel: +41 56 6410 317
Fax: +41 56 500 0161

Copyright © 2010 Pixelmetrix Corporation

All other product or service marks are the property of their respective owners.

Asia Pacific: +65-6547-4935