Storage
solutions
Versatility meets
performance

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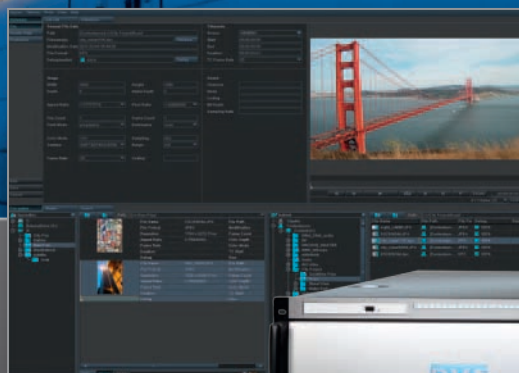
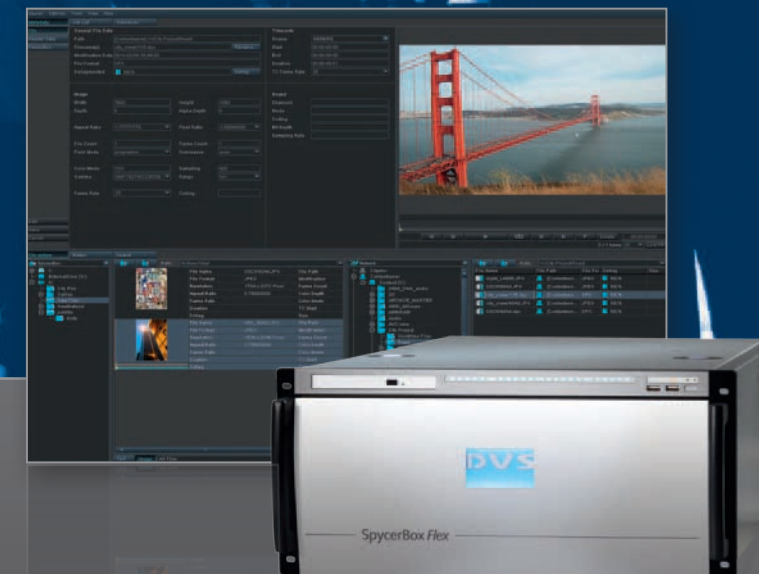## DVS STORAGE SOLUTIONS

SPEED AND RELIABILITY

Today, more than ever, post production and broadcast services accrue enormous amounts of data that need to be saved, archived, and managed. DVS offers reliable, cutting-edge storage technology, tailored to deliver optimum performance for handling any storage capacity, from terabytes to petabytes of data. The SpycerBox and DVS-SAN are versatile, and can be implemented into any workflow to guarantee maximum data rates. The innovative Spycer® software enables distributed data management for convenient browsing, control, and editing of your content. DVS has supported high-profile clients for over 25 years. We will assist your team every step of the way, from selecting the best solution for your existing and future workflows to configuring and supporting heterogeneous storage infrastructures for efficient file-based workflows.

"The DVS SpycerBox was the best solution for us. It's expandable and compatible with other DVS systems so our storage can grow and adapt to changing production requirements."

Lee Phillips, Senior Editor at Ragdoll Productions

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SPYCERBOX FAMILY

THE PERFECT HUB FOR YOUR MEDIA

SpycerBox is DVS's flexible and modular storage solution. Improve workflow speed and efficiency by integrating SpycerBox into your post production network as an ultra-fast and reliable storage system. Increase the performance of file-based workflows, and gain flexibility with SpycerBox, used as a NAS solution or a SAN configuration or a combination of both. The Spycer® data management software complements dependable DVS hardware, making SpycerBox the perfect solution for your data management workflow.
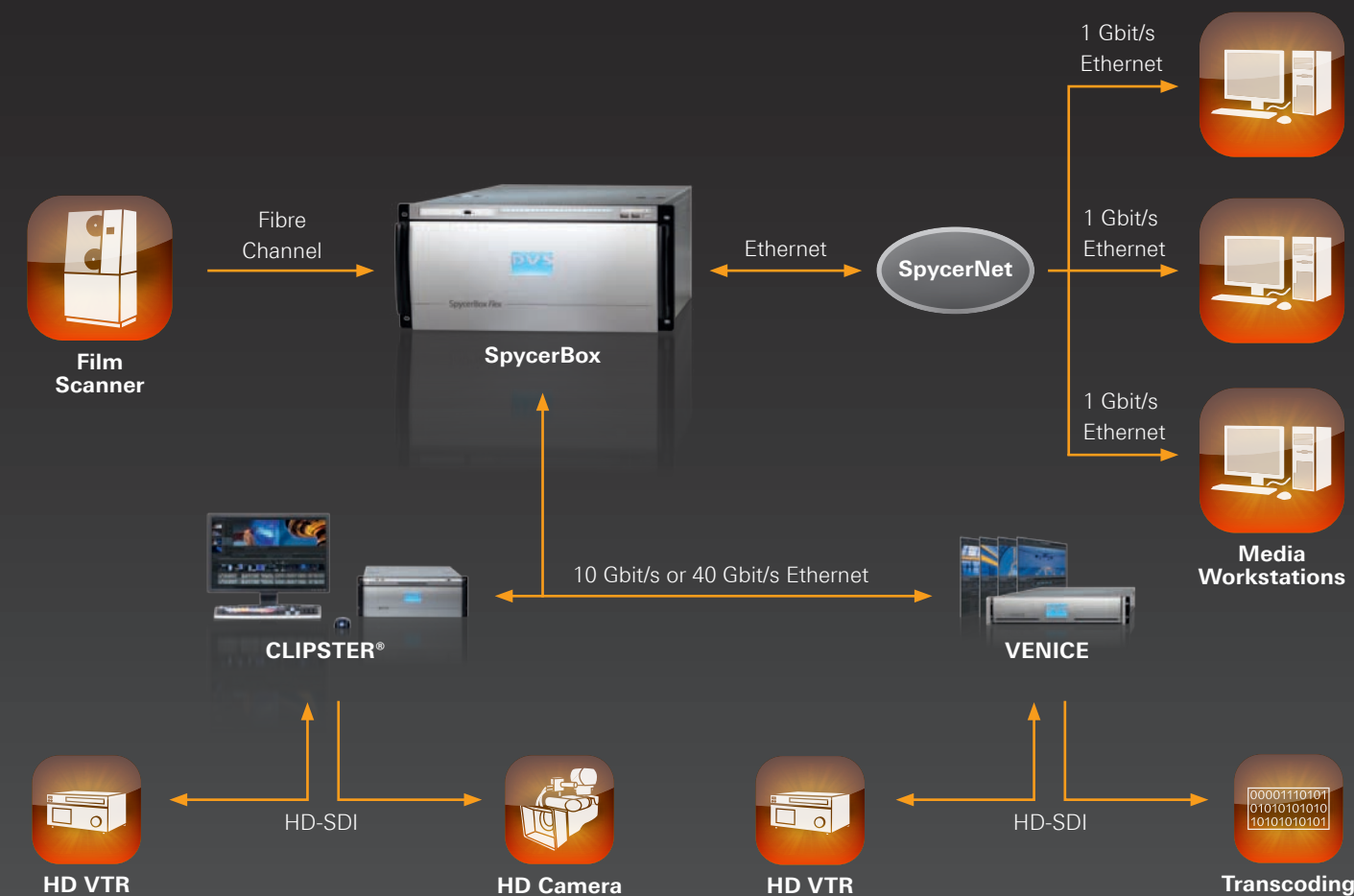
- **Use SpycerBox as a fast and reliable online or near-line storage**
- **Multiple interface options are available to integrate SpycerBox in any environment**
- **Excellent performance in heterogeneous networks with Windows®, Mac OS®, and Linux® clients**
- **Combine multiple SpycerBoxes to create a dynamic media storage infrastructure**
- **Up to 72 TB of storage with RAID-5 protection in one SpycerBox**

- **Automated proxy clip generation for almost any content**
- **Benefit from DVS's high-speed copying**
- **Optimize and de-scatter image sequences for drop-free playout**
- **Automatically generate backups or archives with the built-in schedule manager**
- **Utilize the feature-rich Spycer® data management software**

NAS SOLUTION

Looking for an effective, reliable and reasonably priced NAS solution? Meet SpycerBox, which offers up to 72 TB of storage in a single unit. Integrate SpycerBox as a versatile and scalable NAS solution into any network and benefit from its large capacity and RAID-5 protection. SpycerBox is equipped with enough bandwidth to fulfill even the most demanding tasks: Store uncompressed image material at film resolution, provide high-resolution clips to editing suites, and supply compressed proxy clips from transcoding engines. Benefit from the wide variety of connectivity options and utilize the SpycerBox as a dependable NAS bridge to your existing SAN.

Film Scanner — Fibre Channel → SpycerBox — Ethernet → SpycerNet → 1 Gbit/s Ethernet, 1 Gbit/s Ethernet, 1 Gbit/s Ethernet → Media Workstations

CLIPSTER® — 10 Gbit/s or 40 Gbit/s Ethernet — VENICE

HD VTR — HD-SDI — HD Camera   HD VTR — HD-SDI — Transcoding

BENEFITS

- NAS component with up to 72 TB of storage with RAID-5 protection
- In a NAS environment, SpycerBox NAS acts as a high-performance bridge between different networks
- Use SpycerBox as a fast and reliable file server
- Comprehensive content control with Spycer® software

- Copy data at high speed with Spycer® software and SpycerLink connections
- Automatically generate backups with the built-in scheduler
- Use the complete feature set of the Spycer® data management software with support of new codecs typically used in broadcast environments and even RAW files

SAN SOLUTION

Looking for a cost-effective and straightforward SAN solution? The SpycerBox "SAN in a box" is a comprehensive SAN solution with extremely fast block level access to the SAN volumes. User data storage, metadata storage, metadata server and file server are seamlessly incorporated into a single 5U chassis. Choose between Fibre Channel and Ethernet options. Use SpycerBox to copy data at maximum speeds. The integrated defragmentation tool optimizes image sequences in the DVS-SAN or the local drive for drop-free playout.
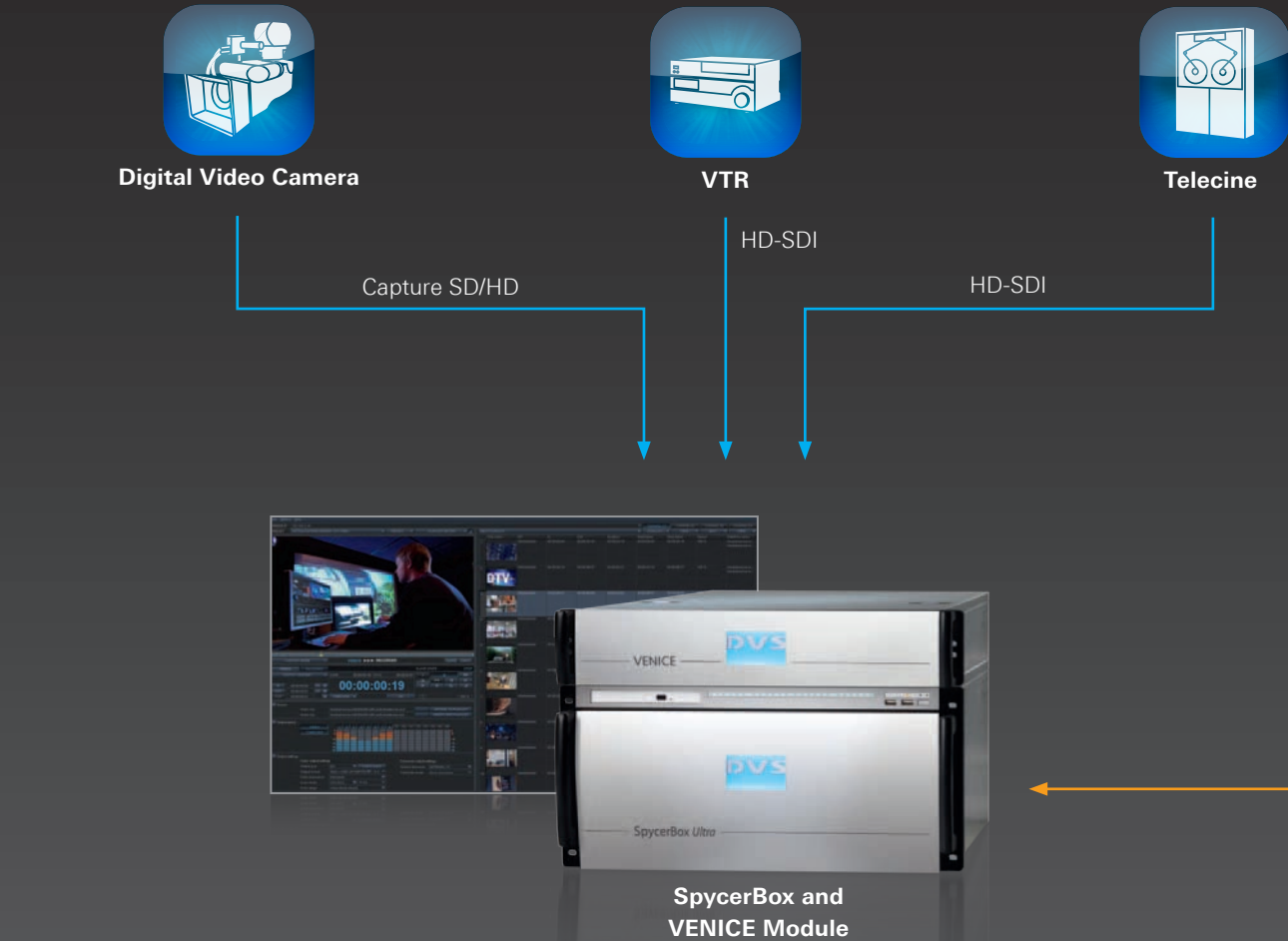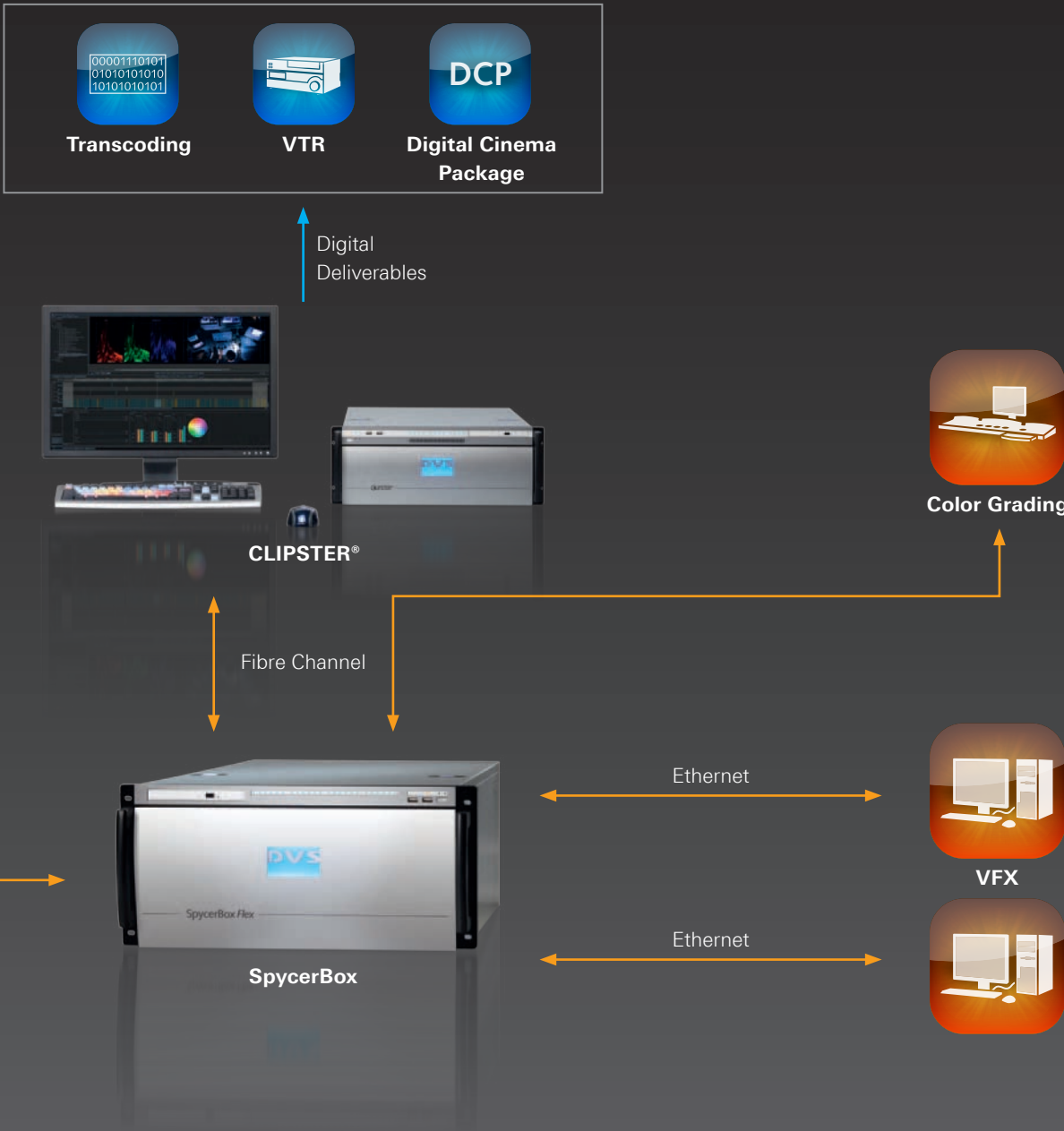
BENEFITS

- SAN storage, metadata server, and file server all in one 5U chassis
- SNFS clients have block level access to the storage via multi-port Fibre Channel
- Connects real-time and near-line workflows with each other
- Comprehensive content control with Spycer® software
- Supports Final Cut Pro® clients with Xsan® software
- Enhanced protection with RAID-5
- Hardware-based remote control over dedicated Ethernet

SPYCERBOX AS A TIERED STORAGE SOLUTION

Looking for a storage solution that easily grows with your needs? Design a completely new, highly customized workflow with the SpycerBox as a SAN solution. The cluster – consisting of at least two SpycerBox systems – is readily scalable with additional cluster nodes. Two or more SpycerBox systems connected via Fibre Channel network provide ultra-fast file transfers. The SAS model provides high bandwidth to enable real-time applications, while the SATA model offers high capacity. Combine the two models to confidently satisfy all of your VFX, editing and versioning needs.

Transcoding

VTR

DCP
Digital Cinema Package

Digital Deliverables

Digital Video Camera

VTR

Telecine

HD-SDI

Capture SD/HD

HD-SDI

Color Grading

CLIPSTER®

Fibre Channel

Fibre Channel

Ethernet

VFX

Ethernet

SpycerBox and VENICE Module

SpycerBox

SPYCERBOX AND VENICE TEAM UP

Do you digitize lots of HD-SDI or SDI signals directly into data to provide content for NLE systems? Now, VENICE is capable of partnering with SpycerBox as a directly connected module. The VENICE module enables capture or playout of video content in compressed or uncompressed formats over 2 HD-SDI/SDI channels. Video can be captured into XDCAM®, DVCPRO®, DNxHD®, AVC-Ultra or other typically used compressed formats. Offering ingest, playout and transcoding modes, the VENICE module can also be controlled from applications via RS-422, VDCP or SOAP. This state-of-the-art collaboration yields a two-channel video server with up to 72 TB of storage.

SPYCERBOX THE PERFECT HUB FOR YOUR MEDIA

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SpycerBox *Ultra*

KEY FEATURES >>> KEY FEATURES

FEATURES

- Local and SpycerNet browsing/searching
- Automated metadata extraction from SpycerBox content
- Remote control Spycer® on SpycerBox via SpycerNet
- Remote control other Spycer® applications via SpycerNet
- Renaming of image sequences on SpycerBox
- Editing of metadata and DPX header information
  on SpycerBox content
- DVS's high-speed copying
- Built-in defragmenter and de-scatterer for file sequences
  on SpycerBox
- Search function with various metadata parameters (e.g. keycode)
- Generation of preview proxy clips
- Integrated media player
- Peer-to-peer copying via SpycerNet
- File format converter
- Job scheduler for timed tasks

CONNECTIVITY OPTIONS

DVS offers a plethora of connection options for SpycerBox:
- Gigabit quad-port interface, which complements
  the two on-board Ethernet ports
- Fibre Channel quad-port 8 Gbit/s interface
- 10 or 40 Gbit Ethernet (single- or dual-port) interface. Ideal when
  using powerful switches or high-speed point-to-point connection
- eSATA
- FireWire®
- USB 2.0 or USB 3.0

SPECIFICATIONS

- 19" chassis 5U server
- Two high-performance multi-core processors
- Internal RAID-5 storage with capacities up to 72 TB
  per single unit
- Linux® operating system
- Easy-to-use GUI
- Remote access capability with Spycer®
- Hardware-based KVM (Keyboard Video Mouse)
  over dedicated Ethernet
- Comprehensive SNMP (Simple Network Management Protocol)
  monitoring capabilities

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"We opted for the DVS solution because it delivers excellent performance in a customized, vendor-independent workflow. DVS has been a supportive and competent partner right from the outset. The service capability of DVS was a key factor in our decision-making. As a result, we have been able to launch a completely new era of post production at Cinecittà."

Fabio Filoni, Head of Digital Services Cinecittà Digital Factory

DVS-SAN

THE TAILORED STORAGE SOLUTION

The DVS-SAN is the ultimate high-end storage solution for post production workflows. Post production facilities generate enormous amounts of data daily, with hundreds of terabytes and even petabytes being stored. The DVS-SAN handles hundreds of connected clients effortlessly, and can provide data to a wide variety of processing systems within the infrastructure. Use the DVS-SAN as a reliable, extremely fast storage system for your critical film, video, and CG data. The innovative Spycer® data manager helps you organize and move large volumes of data with ease.

CUSTOMIZED AND MODULAR

As the need for storage increases over time, DVS's custom storage solutions are designed to scale to your requirements. DVS offers powerful entry level, mid-size and enterprise class storage solutions to meet a wide variety of requirements, while providing the modularity to adapt to each and every infrastructure present. Benefit from our years of SAN expertise and let us help you configure a cutting-edge storage system specifically tailored to your workflow needs.

DVS-SAN THE TAILORED STORAGE SOLUTION

YEARS OF SAN EXPERTISE

Digital film and video post production and broadcasting present different requirements for storage than general use in the IT industry. DVS has years of experience handling both uncompressed and compressed high-resolution video material. DVS-SANs are high-performance storage solutions that exceed the demanding require-ments of today's media industry workflows, and are designed to meet future challenges head-on. Future-proof, the DVS-SAN provides a long-term solution for your unique requirements.

DATA RATES AND FORMATS

No matter which format, the DVS-SAN can handle it: DPX, TIFF, Cineon®, QuickTime®, JP2, JPC, MXF, MPEG-1, MPEG-2, MPEG-4, R3D, WAV, etc. The DVS-SAN supports a wide variety of data rates: Work in real time with several uncompressed 4K streams in 10/12/16 bit parallel RGB 4:4:4 in levels scalable from 600 MB/s to 10 GB/s. The DVS-SAN's modular architecture enables the addition of storage clusters to yield even higher data rates and a larger number of parallel video streams. Our storage systems are built to sustain these data rates continuously, not just in short peaks.

- · Protected with RAID-5/6 or mirroring
- · Heterogeneous infrastructures for maximum flexibility
- · Scalable storage based on individual requirements
- · Realize a collaborative workflow using DVS-SAN
- · Central storage for SD, HD, 2K and 4K real-time post production workflows
- · Optimized for file sequences like DPX or TIFF
- · Optimized for compressed formats to serve hundreds of clients
- · Multiple real-time streams of uncompressed RGB 4:4:4 10/12/16 bit video files

- · Gain easy access to the storage with content control software Spycer®
- · Manage your DVS-SAN with a sophisticated software tool set
- · Archiving solutions to back up your media
- · Optional 24/7/365 support from DVS

		Frame Rate (fps)	Color Mode	Quantization	Data Rate MB/s	Size GB* for 90 min	Size GB* for 120 min	
SD	720x486	30	RGB 4:4:4	10 bit	42	227	302	
	720x576	25	RGB 4:4:4	10 bit	42	227	302	
HD	1920x1080	24	RGB 4:4:4	10 bit	199	1075	1433	
	1920x1080	25	RGB 4:4:4	10 bit	207	1118	1490	
	1920x1080	25	YUV 4:2:2	10 bit	138	745	994	
	1920x1080	30	RGB 4:4:4	10 bit	249	1345	1793	
	1920x1080	30	YUV 4:2:2	10 bit	166	896	1195	
2K	2048x1080	24	RGB 4:4:4	10 bit	212	1145	1526	
	2048x1080	48	RGB 4:4:4	10 bit	425	2295	3060	Stereoscopic
	2048x1080	48	YUV 4:2:2	10 bit	283	1528	2038	Stereoscopic
	2048x1080	24	RGB 4:4:4	16 bit	319	1723	2297	DCDM
	2048x1556	24	RGB 4:4:4	10 bit	306	1652	2203	
4K	4096x2160	24	RGB 4:4:4	10 bit	850	4590	6120	
	4096x3112	24	RGB 4:4:4	10 bit	1224	6610	8813	

Results based on DPX, RGB 4:4:4, 10 bit, except as noted otherwise.

* 1 GB = 10⁹ Byte

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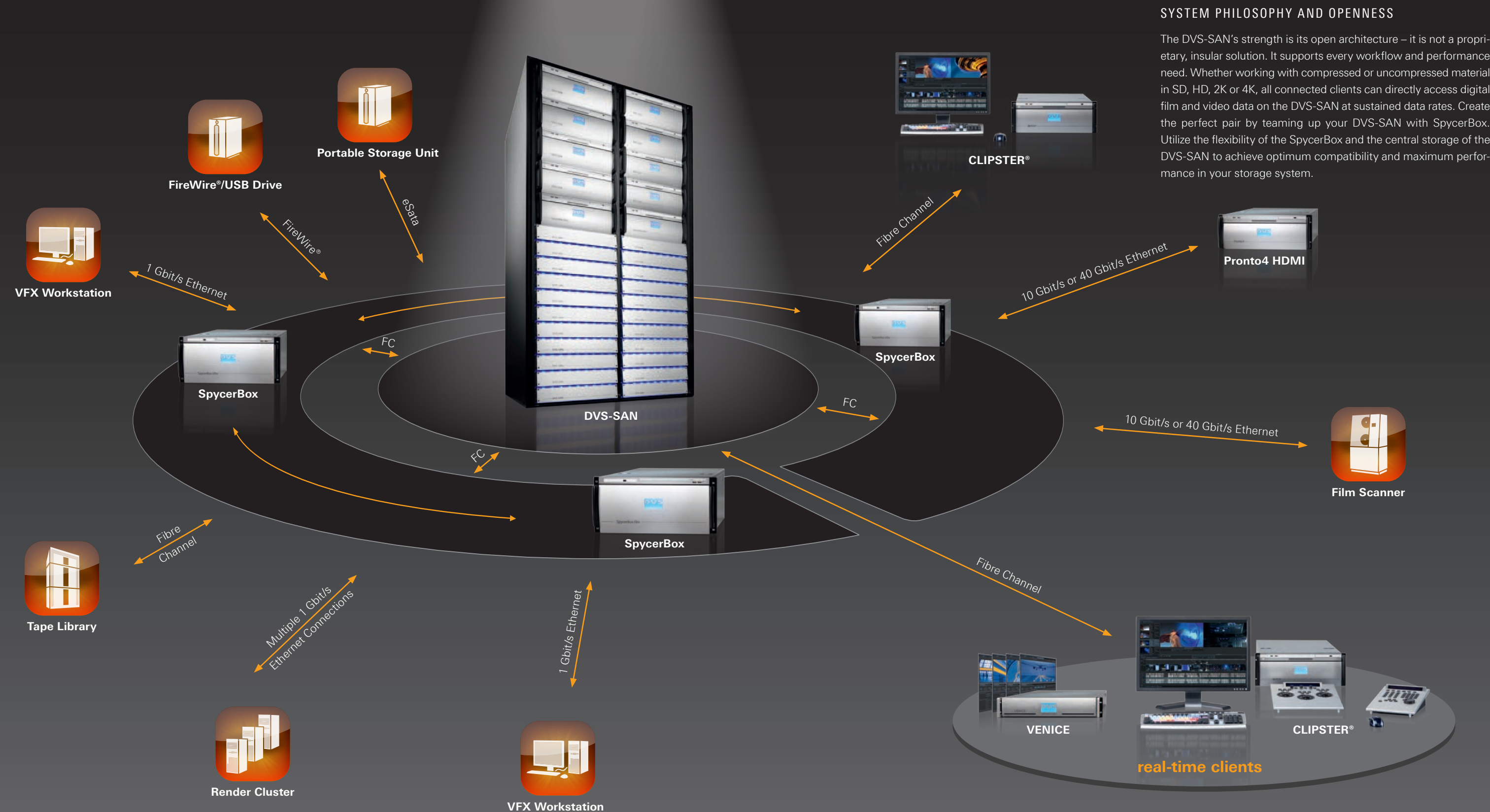
SYSTEM PHILOSOPHY AND OPENNESS

The DVS-SAN's strength is its open architecture – it is not a proprietary, insular solution. It supports every workflow and performance need. Whether working with compressed or uncompressed material in SD, HD, 2K or 4K, all connected clients can directly access digital film and video data on the DVS-SAN at sustained data rates. Create the perfect pair by teaming up your DVS-SAN with SpycerBox. Utilize the flexibility of the SpycerBox and the central storage of the DVS-SAN to achieve optimum compatibility and maximum performance in your storage system.

FireWire®/USB Drive

Portable Storage Unit

CLIPSTER®

VFX Workstation

eSata

FireWire®

1 Gbit/s Ethernet

FC

Pronto4 HDMI

Fibre Channel

10 Gbit/s or 40 Gbit/s Ethernet

SpycerBox

SpycerBox

DVS-SAN

FC

FC

10 Gbit/s or 40 Gbit/s Ethernet

Film Scanner

Fibre Channel

Tape Library

SpycerBox

Multiple 1 Gbit/s Ethernet Connections

1 Gbit/s Ethernet

Fibre Channel

Render Cluster

VFX Workstation

VENICE

CLIPSTER®

real-time clients

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TIME SAVINGS

DVS-SAN enables multiple workstations to access the stored material simultaneously. Bandwidth-intensive data streams can be accessed in parallel – and in real time. Process data even while capturing. Time is no longer wasted on copying or exporting processes, allowing you to fully concentrate on the creative part of your work.

2K Projector

Video
(HD-SDI)

Effects Workstations

Data
(Fibre Channel)

SD/HD/2K/4K Data
(Fibre Channel)

CLIPSTER®

Video
(HD-SDI)

Telecine

Data
(Fibre Channel)

SD/HD/2K/4K Data
(Fibre Channel)

Film Recorder

HD/2K Color Grader

DVS-SAN

Data
(Fibre Channel)

SD/HD/2K/4K Data
(Fibre Channel)

Data

P2 Card Reader

Data
(Fibre Channel)

VENICE

Pronto4 HDMI

Data
(Fibre Channel)

Video
(HD-SDI)

Data

Professional
Disc™ Reader

HD VTR

Tape Library

Video

Data

18

19

HIGH AVAILABILTY WITH STORAGE SYNCHRONIZATION

With its 24/7 high availability option, SpycerBox ensures uninterrupted operation offering extreme reliability through its failover functionality. SpycerBox's operational infrastructure eliminates single point-of-failure by safeguarding fault tolerance and granting continuous operation. This also makes SpycerBox the ideal solution to be included by companies into their disaster-recovery strategies to ensure business continuity. Low latency instant synchronization ensures that the data is identical on both primary and secondary box at any given time. Benefit from instant failover in mission-critical workflows, specifically suited for 24/7 broadcast. Other fields of application include archive environments at multiple locations or synchronous/asynchronous data replicas. Even WAN-connectivity is possible. SpycerBox provides an integrated solution that is easy to manage, easy to maintain, and robust enough to act as the core of your workflow.
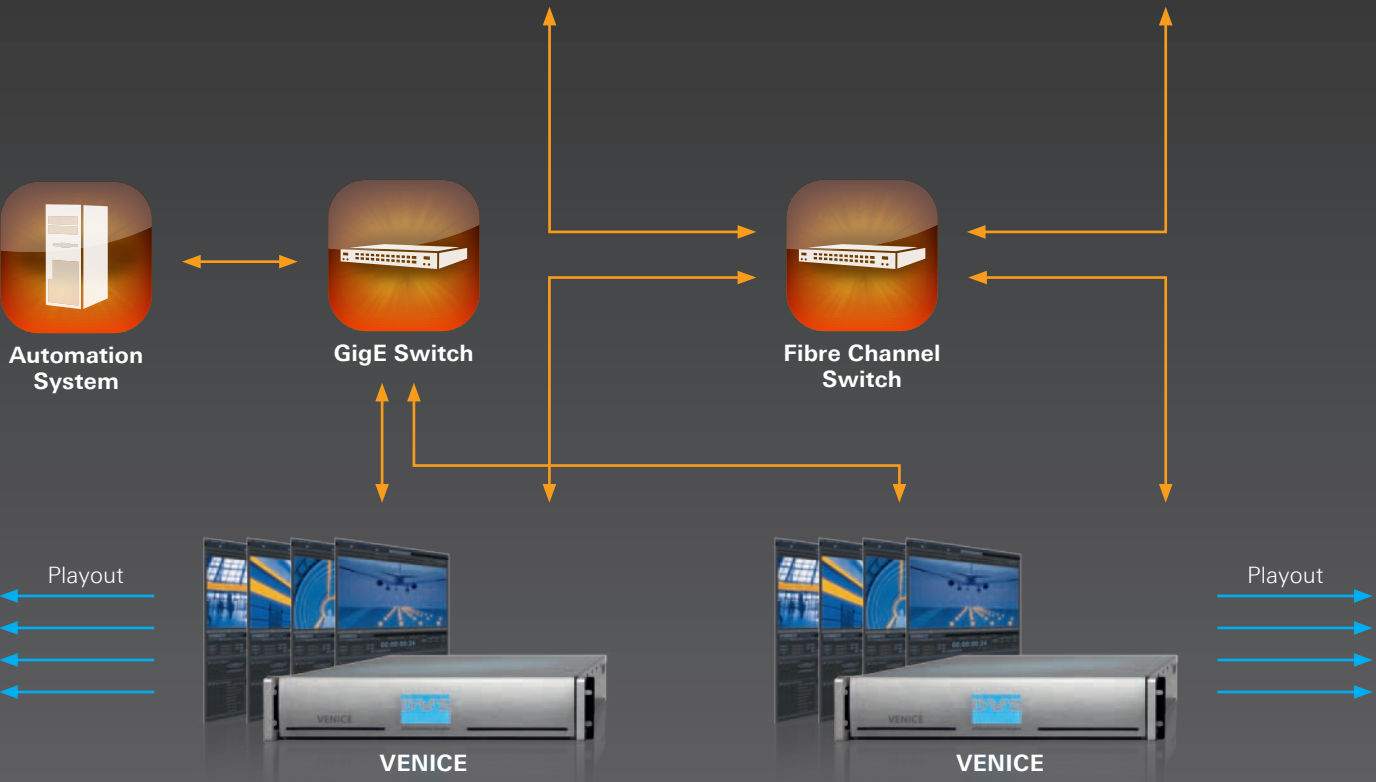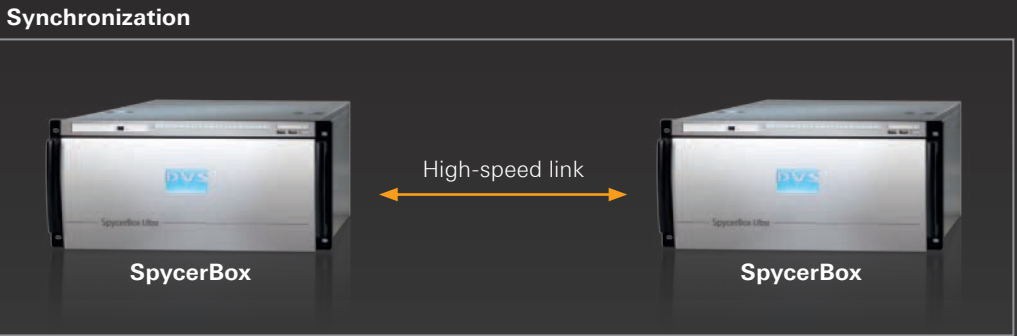
SUPPORT

We not only provide your team with comprehensive support during the planning and installation phases, but we also make sure that your DVS-SAN continues to perform optimally after installation. Our certified training personnel and highly qualified support engineering team ensure the maximum performance of DVS-SAN systems worldwide. You can choose the support option that is best for your environment, from standard coverage during normal business hours to high-availability 24 hour/7 days a week coverage. DVS service also includes advanced performance and remote diagnostics tools as well as system monitoring. Our management tools integrate seamlessly with your existing monitoring systems.

SPYCER® CONTENT CONTROL

When projects increase in size, and you need to organize, edit, save, and manage millions of frame sequences, projects, and metadata, turn to Spycer® for data management. With Spycer's high-speed copying and defragmentation utility, developed specifically for working with video, film, and CG material, the DVS-SAN effortlessly exceeds industry-standard performance limits. In conjunction with Spycer®, the DVS-SAN provides optimum use of equipment resources and presents an organized view of all storage contents and clients in the SpycerNet. Access your DVS-SAN via a user-friendly interface, without having to resort to command-line tools.

MAXIMUM VALUE

DVS is available to help you to design a storage solution that precisely fits your needs, today and in the future. DVS storage solutions maximize your workflow performance, since they are built to your specs. Film studios and renowned post houses of all sizes in the US, Europe, Middle East and Asia Pacific are full of praise for the DVS-SAN. Our advanced technology not only offers maximum data rates, but also integrates seamlessly into existing workflows.

Synchronization

SpycerBox — High-speed link — SpycerBox

SpycerBox   **SpycerBox**

Automation System   **GigE Switch**   **Fibre Channel Switch**

Playout

Playout

VENICE   **VENICE**

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THREE-TIERED STORAGE: ONLINE, NEAR-LINE, OFFLINE

The DVS-SAN is a highly flexible, tiered storage solution. Create a high-performance real-time solution for your production environment, a near-line storage for processed projects, and an offline library for archival.

MORE STORAGE, LESS SPACE

Is your server room too crowded? The DVS-SAN offers more storage capacity per unit space. Save 25% of valuable room space while growing your existing storage at the same time. The DVS-SAN is a powerful solution providing enormous storage performance without wasting space.

MORE POWER, LESS CONSUMPTION

The DVS-SAN guarantees the highest performance and a unique, powerful workflow. In today's world of exploding energy costs, DVS takes a step forward from other storage providers. We have considerably decreased the power consumption of our leading storage system, saving you more than 30% on energy costs compared to similar storage systems. The DVS-SAN powers your workflow and reduces your energy costs.

TAPE LIBRARY

Need to archive? Implement a tape library. The exchange between the DVS-SAN and your tape library provides you with an ideal storage network, ranging from online and offline storage to tape archiving.

KEY FEATURES

FEATURES

- Custom-tailored storage solution
- Spycer® for DVS-SAN provides optimum data management
- RAID-5 or RAID-6 for data protection
- Hot spare disks
- Redundant RAID controllers and power supplies
- Modular storage enclosures
- Easy to scale – storage grows with your requirements
- Connectivity with Fibre Channel and Ethernet technology
- Ready for heterogeneous infrastructures
- Primary and secondary metadata servers with active failover for high-availability scenarios
- Replication and de-duplication
- DVS file servers for bridging to different topologies
- Durable 19" rack components
- Windows®, Linux®, IRIX®/Unix® and Mac OS® operating systems
- DVS installation ensures your equipment is running perfectly from day one
- Multiple support levels available, including high-availability 24/7 coverage

DATA RATES AND FORMATS

- Flawless hard real-time playback and recording of any media
- Guaranteed continuous data rates from 600 MB/s up to more than 10 GB/s
- From SD to 4K, from YUV 4:2:2 to RGB 4:4:4 to X'Y'Z' 4:4:4
- Video in 8/10/12/16 bit
- Video and audio data can be stored in any file format your application supports, e.g. DPX, TIFF, R3D, JP2, JPC,QuickTime®, WMV, MXF, AIFF, WAV and others

AREAS OF APPLICATION

- DI workflow in 2K, 4K
- SD, HD, 2K or 4K for post production
- SD and HD broadcast for the TV arena
- Archive workflows

DVS-SAN
Online
Storage

DVS-SAN
Near-line
Storage

Library
Offline
Storage

Data Rate

Storage Capacity

We offer the DVS-SAN as a three-tiered staging solution. The DVS-SAN excels as a highly flexible, high-performance online storage system in your production environment. Near-line storage is available for processed projects. For completed projects, offline storage functions as a reliable library in your environment.

SPYCER® THE COMPLETE CONTENT CONTROL

"Besides the enormous hardware involvement, for us Spycer® was absolutely necessary, in order to organize the finished rendered scenes in 3D. Our system was only able to manage a data throughput of almost 600 MB per second thanks to Spycer®."

Holger Tappe, CEO at Ambient Entertainment

SPYCER®

THE COMPLETE CONTENT CONTROL

The innovative Spycer® data management software lets you effectively review and manage extremely large volumes of data. Create a transparent network that makes the contents of all connected systems available for viewing and editing by means of a wide array of tools. When handling large volumes of film, video, and CG data is part of your daily workflow, eliminate the chaos by using Spycer® to automatically provide an overview of the contents in all storage systems and workstations. The user-friendly DVS software lets you effortlessly manage all of your content – coming from film scanners, telecines, cameras, VTRs, edit suites, and CGI. Easily browse and locate RED® files, MXF data or search on removed external hard disks. Spycer® delivers sophisticated features for fast and convenient content control.

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MANAGE AND DISTRIBUTE

Spycer® enables you to effortlessly manage large data volumes and edit the metadata of individual files or entire image sequences. Edit or correct keycode entries in the DPX header, or modify timecode information in a simple and straightforward way. In the browser, Spycer® bundles individual images into a clip, which may be converted to a single-file container format for easy viewing.

Let Spycer® automatically convert high-resolution clips in the background, and use them for offline editing, or as preview proxies for viewing your hi-res data from anywhere in the network. Use the benefits of distributed processing, and conveniently access contents in the entire SpycerNet from your computer.

CLIPSTER®
Editing/Finishing/Color Grading

Spycer®
File/Metadata Management

Any Computer

Pronto4K/Pronto4 HDMI
Recording/Playout

Build up your own scalable
network, the SpycerNet

SpycerBox

LTO Single Drive

- Gain an overview of your files and metadata
- Effectively tidy up your SAN or NAS
- Correct and edit the names of file sequences
- Edit and amend the metadata in the file headers
- View the content distributed in your facility via an intuitive GUI, and eliminate the use of command-line tools
- Use the unique de-scattering tool to maximize storage performance, and efficiently optimize individual, fragmented clips
- Spycer's high-speed copy algorithms help you avoid nerve-racking process delays
- Use the Spycer® job scheduler to automate copying, archiving and de-scattering processes
- Automate proxy generation for preview and offline editing by defining watchfolders

SPYCERNET

Simply link up your PCs, workstations, and other insular storage devices into a single, efficient network – the SpycerNet. This scalable network enables trouble-free browsing, viewing, editing, and sharing of film, video, and audio files. Spycer® does not require a central storage system or central

database to achieve this connectivity – simply integrate the data management software into your existing IT infrastructure. Each Spycer® generates a database for the automatic entry of local storage contents. This information is available for access and editing from any workstation in the SpycerNet.

SPYCER® THE COMPLETE CONTENT CONTROL

BROWSING AND VIEWING

Spycer® removes the uncertainty of finding data in complex networks. An extensive set of search parameters helps you find image data, video and audio clips, and metadata with confidence. Search external drives even when they are disconnected. The intelligent DVS data manager gives you a complete overview of all storage components in your SpycerNet. Spycer® supports multiple MXF variants typically used in broadcast workflows with codecs like DVCPRO®, XDCAM® and DNxHD®.
Spycer® even lets you process RAW files quickly and efficiently. DVS's data manager can easily find, view, convert, and edit data shot with e.g. RED®, ARRI, Sony, Phantom or the Silicon Imaging camera. Spycer® may also be used to visualize 3D LUTs, represented as a color cube in the media player. Gain a complete overview of your data while at the same time organizing your post production clips.
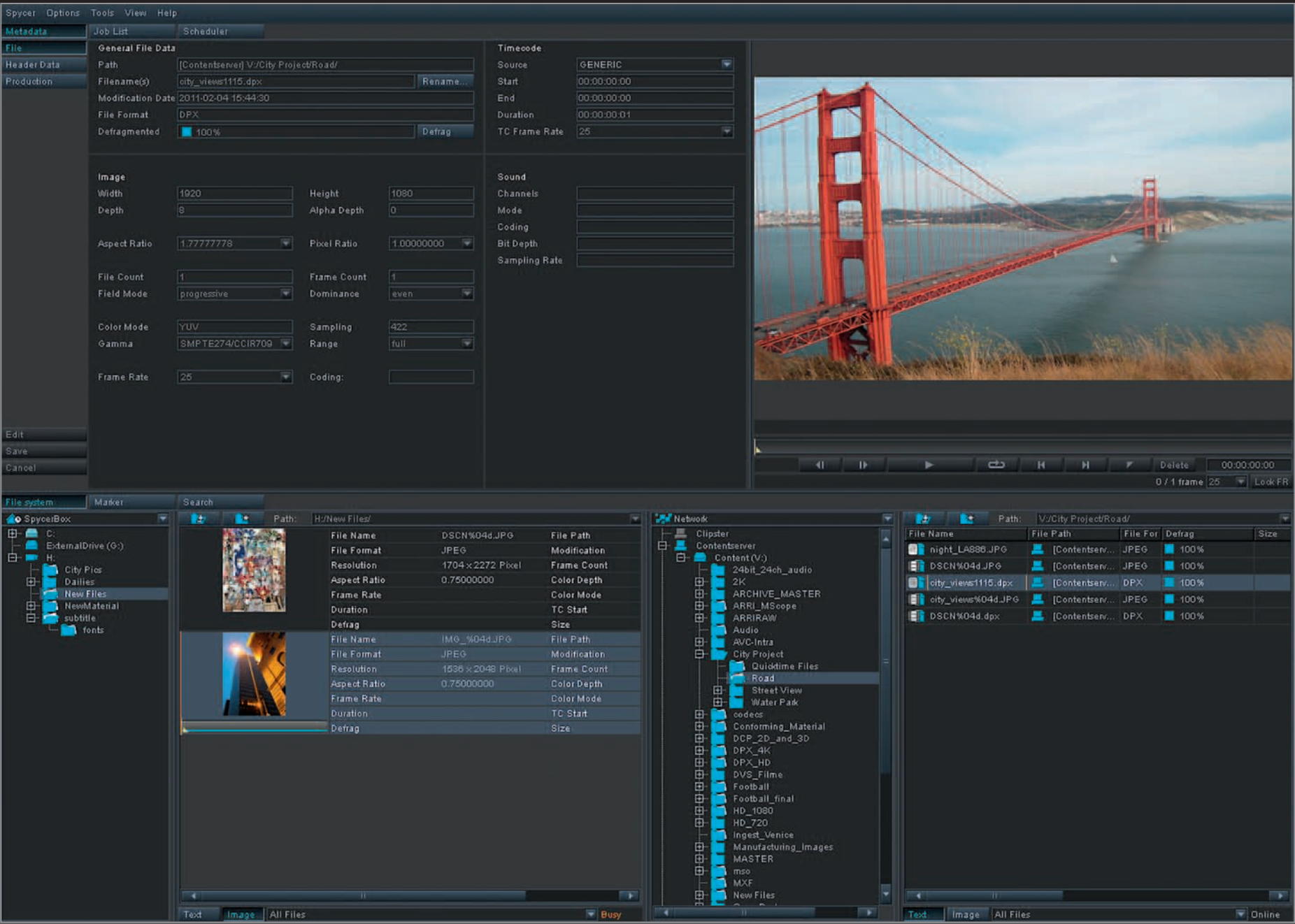
COPYING AND CHECKING

Quickly and safely copy data directly between the workstations connected to the SpycerNet with an easy-to-manage peer-to-peer system. Spycer's special algorithms speed up the copying process over Ethernet or 10GigE. Save precious time by using DVS's lightning fast high-speed copying. For drop-free playout of image sequences, the copying process retains the order of files in the storage device. Typically, post production environments include workstations with various operating systems. Since the Spycer® tools work independently of file-sharing mechanisms integrated in the operating systems, Spycer® provides trouble-free copying of data between workstations, regardless of platform type.
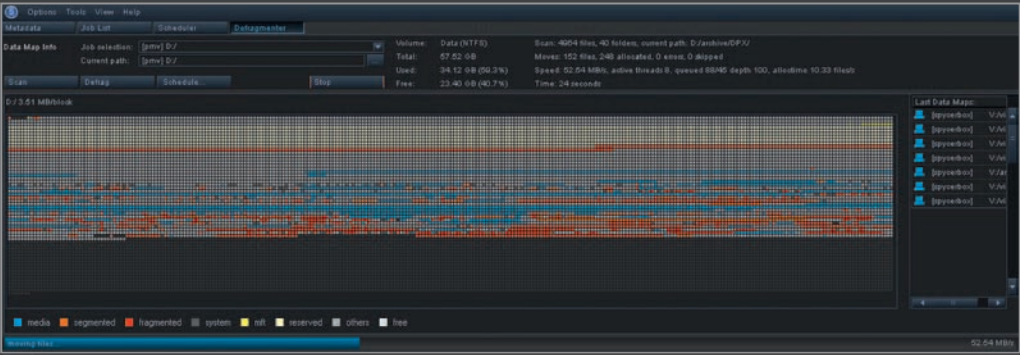
DEFRAGMENTATION AND DE-SCATTERING

The Spycer® defragmentation tool is capable of processing not only individual files, but also entire image sequences. This method of defragmentation has been developed specifically for the needs of high-resolution image sequences, and allows the positioning of image sequences and clips in optimal locations on the storage system after defragmenting. Remote-controlled defragmentation and de-scattering are possible in the entire SpycerNet. Mephisto, the stand-alone defragmentation tool, automatically carries this out in the background of your DVS-SAN.

Browsing, viewing, copying, checking, defragmentation and de-scattering with Spycer®

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SPYCER® BASIC

Easy data searches are only a download away. Download the Spycer® Basic version free of charge to experience the basic functions of the DVS software on a Windows®, Linux®, or Mac OS® platform.

SPYCER®

Use all Spycer® features for perfect content browsing, viewing and editing. Effortlessly handle extremely large data volumes with the award-winning data management software.

INTEGRATED SPYCER®

This variant of Spycer® is integrated in the DVS software running on a DVS video system (e.g. CLIPSTER®). As the standard flavor of Spycer® it provides the complete feature set and works seamlessly with the entire family of DVS solutions.

SPYCER® FOR DVS-SAN

Implement Spycer® on your DVS-SAN to effectively manage hundreds of terabytes and even petabytes of stored data. Spycer® for DVS-SAN supports the Quantum StorNext File System (SNFS) that is used with the DVS-SAN. Spycer® for DVS-SAN is also capable of defragmenting and de-scattering the SNFS file system.

KEY FEATURES

	Spycer® Basic	Spycer®	Integrated Spycer®	Spycer® for DVS-SAN
Browsing local disks and the SpycerNet	+	+	+	+
Searching local watch folders and the SpycerNet	+	+	+	+
Controlling other Spycers remotely via SpycerNet		+	+	+
Renaming feature for file sequences		+	+	+
Renaming file sequences on the DVS-SAN				+
Metadata and header editing		+	+	+
Metadata and header editing on the DVS-SAN				+
DVS's high-speed copying		+	+	+
Defragmenting, de-scattering file sequences, drives and files		+	+	+
Defragmenting and de-scattering DVS-SAN systems				+
Automatic metadata generation for clips in watch folders	+	+	+	+
Automatic metadata generation for clips in watch folders on the DVS-SAN				+
Search function with several parameters	+	+	+	+
Finding file sequences via keycode	+	+	+	+
Support of more than 100 graphic formats	+	+	+	+
3D LUT and 1D LUT display as a color cube	+	+	+	+
Generating preview proxies		+	+	+
Integrated media player		+	+	+
Direct copying via SpycerNet		+	+	+
Simple file conversion	+	+	+	+
Time-controlled job scheduler		+	+	+

Overview of the software structure

Client

Spycer®
user interface

Database ⟷ SpycerAgent

Client: File Server

Spycer® for DVS-SAN
user interface

Database ⟷ SpycerAgent

DVS-SAN

SpycerNet

Client: CLIPSTER®

Integrated Spycer®
user interface

Database ⟷ SpycerAgent

Client

Spycer®
user interface

[local content management disabled]

Overview of the software structure

- The freely scalable SpycerNet connects individual workstations to build a distributed content control system
- High-speed copying processes for accelerated Ethernet and 10GigE copying
- Identical GUIs to simplify file sharing for Windows®, Linux® and Mac OS®
- Browsing and display of single-frame sequences (e.g. JPEG2000, DPX, TIFF, BMP, TGA, CIN, OpenEXR) with the built-in media player
- Browsing and display of container formats (e.g. QuickTime®, AVI, MXF, R3D) and more than 100 video and image formats

- Visualization of 3D LUTs in a color cube
- Job scheduler to automate copying, de-scattering or indexing
- Automatic metadata extraction for watch folder content
- Saveable searches with metadata parameters (keycode, timecode, resolution, comments, project names, etc.)
- Editing of file headers for correcting embedded metadata (timecode, creator, etc.) for single files or whole sequences
- Defragmentation and de-scattering of clips and image sequences

SERVICE

TRAINING
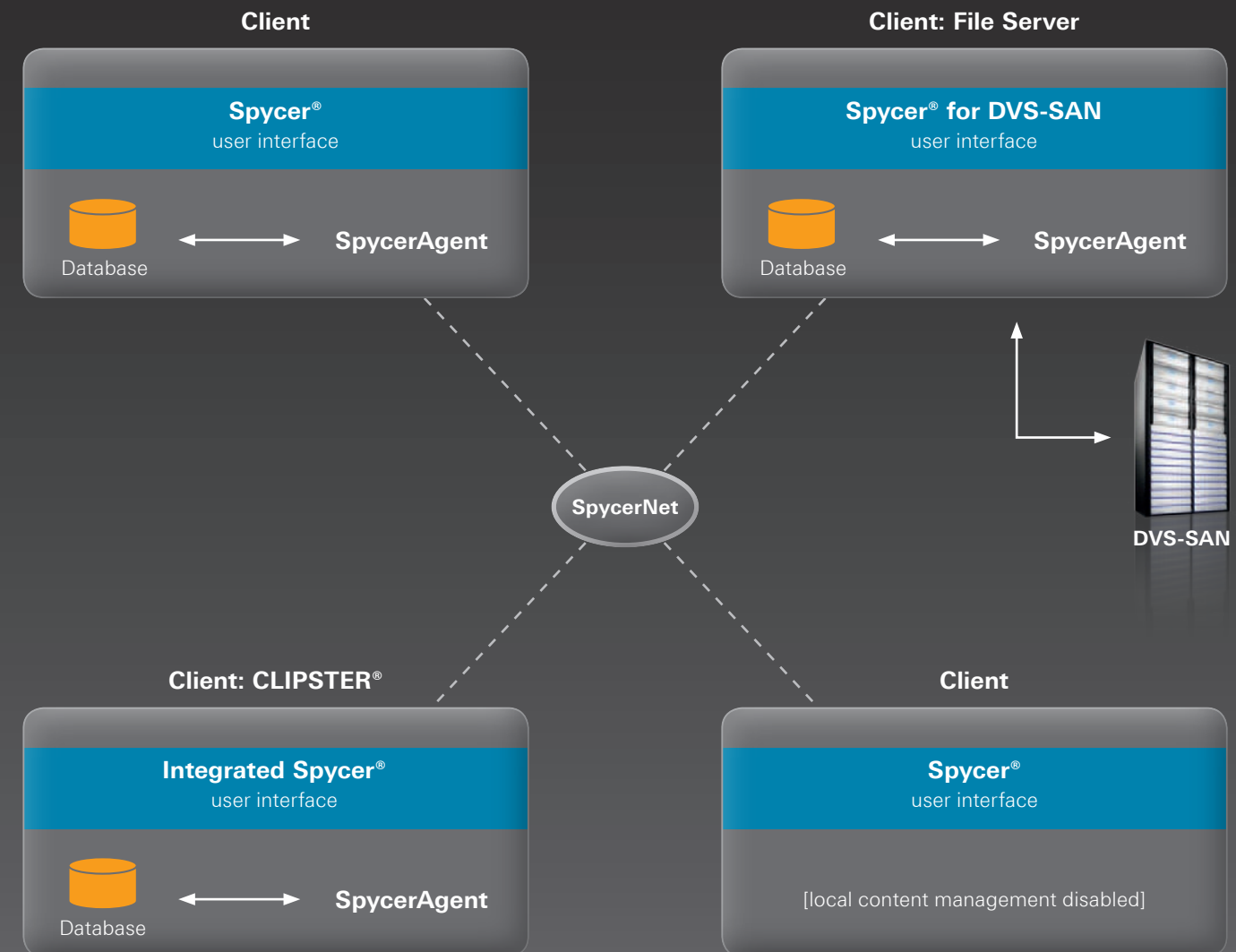
Offering superior service for our entire product portfolio is integral to the DVS philosophy. The DVS support and service team is comprised of engineers who consider first-class, professional customer service their first priority.

DVS offers optimum support and service, with service packages tailored to clients' specific needs. Our service team can assist onsite or perform services quickly and reliably via remote control. DVS also has a service website, complete with detailed technical documentation to provide current updates, upgrades, and relevant information.

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Our friendly and professional training courses provide you with the detailed knowledge to make the most of your equipment.

Ask about our training packages at training.dvs@rohde-schwarz.com

DVS

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