

T2 iDDR

INTELLIGENT DIGITAL DISK RECORDER

The T2 intelligent digital disk recorder (iDDR) brings full high-definition capture and playback to the video professional. Additionally, the T2 iDDR works with standard-definition video and may be controlled from other production devices such as the Indigo A/V mixer.



The Grass Valley™ T2™ iDDR is a complete and self-contained SD and HD audio/video playout center. The front-panel transport controls have the look and feel of traditional VTRs, and its two output channels support standard- or high-definition content. The crisp, clear LCD front panel can display high-quality images and is complemented by a software application suite for managing and selecting media clips, clip editing and trimming, and playout—including playlist creation.

Featuring extensive rear-panel audio/video connectivity, the T2 iDDR can also accept files via USB 2.0, or by data transfer over a standard Gigabit Ethernet network. The T2 iDDR also accepts media from other applications including HQ AVI, MPEG-2, QuickTime, Windows Media Video HD, JPEG, TIFF, TARGA, and BMP files.

With the T2 iDDR, users can exchange content at high speed over a network or via removable media such as SSD through USB, FireWire (IEEE 1394), or

the dedicated 2.5-inch HDD/SSD slot. Further, the T2 iDDR can be controlled by our Indigo™ A/V mixer—combining features normally found in video production switchers, presentation mixers, and audio mixers—to create a powerful presentation system. The T2 iDDR has two playout channels for independent editing and previewing, or for delivering content to two different display systems simultaneously, including left-eye/right-eye 3D content.

KEY FEATURES

- True HD support for HD productions – 720p, 1080i, and 1080p
- Up/downconversion feature for a wider range of resolutions and application support
- Multi-format support for transcode import – DV, DVCPRO, DVCPRO HD, WMV, MPEG-2, Canon EOS 5D video, JPEG, TIFF, TARGA, and BMP
- Three decks for the price of one – 1 record and 2 playback channels work independently and simultaneously
- 2-channel synchronized playback for key/fill rolls, edge blend displays, multi-screen, and 3D applications
- Embedded audio (8 channels per SDI connection)
- AES/EBU audio supported
- Easy-to-use front panel interface
- Workstation mode included as standard
- RAID-10 and SSD storage options
- Simple editing on-the-fly, including trimming, mark in/out, and basic transition effects
- New, robust design – engineered to withstand punishing live event and mobile production environments
- Integration support for third-party control (BVW, GPIO, AMP)
- Applications:
 - Events and staging
 - Auditoriums
 - Corporate A/V centers
 - Educational facilities
 - Broadcast display support
 - Regional sports companies
 - Switcher support for playback

Full-Featured Front Panel



Extensive Rear Panel Connectivity



SPECIFICATIONS

T2 iDDR Configurations

Unit A – 1 SD/HD input, 2 SD/HD outputs

Video Input

Format Support Types: High-definition, standard-definition

Connections: SD/HD SDI, analog component (Y-Pb-Pr), DVI-I, composite

Recording Format: HQ, 4:2:2

Bit Rate: Up to 200 Mb/s

Resolutions SD/Frame Rate:

720x486/29.97, 720x576/25

Resolutions HD/Frame Rate:

1920x1080p24,
1920x1080i29.97/25,
1280x720p59.94/50

Video Outputs

Format Support Types: High-definition, standard-definition, computer

Connections: SD/HD SDI, analog component (RGB or Y-Pb-Pr), DVI-I, composite

Recording Format: Grass Valley HQ, 4:2:2

Bit Rate: Up to 200 Mb/s per channel

Resolutions SD/Frame Rate:

720x486/29.97, 720x576/25

Resolutions HD/Frame Rate:

1920x1080i29.97/25,
1920x1080p59.94/50,
1920x1080p/psf24/23.98,
1280x720p59.94/50/24/23.98

Computer Resolutions: 1280x1024,
1024x768, 800x600, 640x480

Audio Input

Analog Audio: 2 channels, XLR connections

Digital:

- AES/EBU (2 channels), BNC connections
- Embedded audio on SDI, HD or SD (8 channels)

Recording Format: 24-bit, PCM, 48 kHz sampling (20-bit PCM for SD-SDI)

Audio Output

Analog Audio: 2 channels per output video, XLR connections

Digital:

- AES/EBU (2 channels), BNC connections
- Embedded audio on SDI, HD or SD (8 channels)

Recording Format: 24-bit, PCM, 48 kHz sampling (20-bit PCM for SD-SDI)

Import/Export File Compatibility

Import: Grass Valley HQ

Export: Grass Valley HQ, MXF (XDCAM format)

Transcode Import: MPEG-2, WMV, QuickTime, JPEG (still and sequence), BMP (still and sequence), TIFF (still and sequence), and TGA (still and sequence) to Grass Valley HQ

Control

Protocol: BVW (Basic), GPI, AMP (Advanced Media Protocol) for Indigo A/V Mixer and external control software

Connections: RS-422 (9-pin D Conn per channel), Ethernet

Technology

Connections: Gigabit Ethernet, USB 2.0, VGA

Storage Capacity: 2 or 4 disk drives, Approx. 9 hours of HD @ 150 Mb/s, 25 hours of SD @ 50 Mb/s

Bit Rate: Up to 200 Mb/s per channel

Physical

Dimensions: 550x430x140 mm (21.6x16.9x5.5 in.)

Weight: 15 kg (33 lbs.)

Operating Temperature: 5°C to 35°C (41°F to 95°F)

Options and Accessories

P2 Option: Native play back MXF OP-ATOM formats

XDCAM Option: Native play back MXF OP-1A formats

Alpha Option: Import files with alpha information and play back key and fills simultaneously

Rackmount Kit

CUSTOMER SUPPORT & PROFESSIONAL SERVICES

Our customer support and professional services offerings ensure optimal system performance and maximize uptime. These services include call centers staffed around the clock, commissioning, professional training courses, and technical maintenance programs and service agreements.

www.grassvalley.com/support

