

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 has been designed to work efficiently and smoothly with Grass Valley EDIUS nonlinear editing software and the Indigo A/V mixer.



The T2™ iDDR is the latest addition to the Grass Valley™ family of Intelligent Digital Disk Recorders (iDDRs). The iDDR is a new class of VTR replacement that leverages the digital storage, networking, and media-management capabilities of our Emmy® Award-winning video servers.

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 T2 iDDR is a complete and self-contained SD and HD audio/video playout center. The front-panel transport controls are designed to look and feel

very much like those 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 HQAVI, MPEG-2, QuickTime, and Windows Media Video HD 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—which combines 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. The T2 iDDR has also been engineered to seamlessly integrate with Grass Valley EDIUS® nonlinear editing software.

KEY FEATURES

- Full HD support, 1080p24, 1080i50/60, 720p50/60
- HD/SD SDI inputs and outputs
- PC screen output
- File import (Canopus® HQ, MPEG-2, QuickTime, and WMV)
- High bit-rate video with Canopus HQ
- 4:2:2 color space
- User-friendly, ergonomic front panel controls
- 7-inch wide display
- Grass Valley Indigo AV Mixer control
- Analog AV connections
- RS-422A support for each channel
- Transition effects integrated
- Applications:
 - Events and staging
 - Auditoriums
 - Corporate AV centers
 - Education facilities
 - Broadcast display support
 - Community television (CATV)
 - Regional sports companies
 - Support for Indigo A/V Mixer

Quadrant Visual Solutions, Unit 1 Hawthorn Road
 Castle Donington, Derby, DE74 2QR
 Sales: 0870 900 1212, Fax: 01332 817778
 sales@quadrantsolutions.com



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: 1920x1080i/29.97 or 25, 1280x720p/59.94 or 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: Canopus 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: 1920x1080i/29.97 or 25, 1920x1080p/59.94 or 50, 1920x1080p/psf/24 or 23.98, 1280x720p/59.94, 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: Canopus HQ

Export: Canopus HQ

Transcode Import: MPEG-2, WMV, QuickTime to Canopus HQ

Control

Protocol: BVW (Basic), GPI, AMP (Advanced Media Protocol) for Indigo A/V Mixer only

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: 21.6x16.9x5.5 in., 550x430x140 mm

Weight: 33 lbs., 15 kg

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

Options and Accessories

Rackmount Kit

PROFESSIONAL SERVICES

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

www.grassvalley.com/support

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