

# 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

**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:** BWW (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](http://www.grassvalley.com/support)

