



TURBO-R

iDDR Intelligent Digital Disk Recorder with REV Built In from Iomega

KEY POINTS

Turbo iDDR with REV Built In from Iomega

REV media is capable of storing more than 2 hours of 25 Mb/s SD or HD video

Simultaneous record/playout design does the work of multiple systems

One record channel and two playback channels

Extensive control via external systems (AMX, Creston compatible)

Software application suite for enhanced productivity

Edit, manage, and arrange media content into playlists

Extensive audio/video connectivity

Video: SDI, component, composite, S-Video, Analog/Digital DVI video – all standard

Audio: Analog, S/PDIF digital audio

Front panel VTR-like transport control interface to support traditional VTR functions

Data connectivity to other devices

100Base-T, Gigabit Ethernet, IEEE 1394 FireWire, USB 2.0

Media exchange from other applications

Video and graphics media – AVI, QuickTime, Windows Media, WMV HD, MPEG-2, HDV

The Grass Valley™ ProLine brings exciting new creativity and unprecedented productivity to the Professional Audio/Video (ProAV) market. Simply put, the ProLine helps you create and deliver stunning presentations without committing extra staff or expensive hardware. A key component of this line is the Turbo™ iDDR with REV™ Built In from Iomega®. Created by Grass Valley, the market leader in broadcast content storage and delivery, the Turbo iDDR is tailored to the unique demands of the professional presentation industry.

The new Turbo-R iDDR now integrates the REV removable-disk technologies. These standards-based removable disk media and drives feature high speeds and large storage capacities at an affordable price. This combination allows you to further streamline your content transfer workflows by eliminating videotape for archiving and distributing file-based content.

The Turbo iDDR is setting a new standard in the ProAV market and leverages the digital storage, networking, and media management capabilities of the Emmy® award-winning Grass Valley Profile® line of video servers. A cost-effective, compact digital recording, editing, and playback device, it is designed for immediate productivity and will reshape the way you look at your infrastructure investment.

Since the Turbo-R iDDR is a professional media recording and playback device which fits right into your existing ProAV environment, you can load content as audio and video, or as files from removable media,

such as the REV drives and media. Best of all, if you are creating content on desktop systems, the Turbo-R iDDR can sit right on the same network and exchange content at high speeds. Whether your application is in events and staging, presentation and communication, corporate networks, houses of worship, or distance learning, the Turbo-R iDDR will transform the way you work now, and increase your productivity in the future.

By managing and selecting media clips, clip editing and trimming, and playout including playlist creation,

the Turbo-R iDDR is a complete AV center within itself. It offers two playout channels for independent editing and previewing, or for delivering content to two different display systems simultaneously. And either or both of the outputs can be played out with HD and SD content on the same playlist. At the same time you can record into the Turbo-R iDDR, with connectivity from a camera or other media source through IEEE 1394 FireWire, removable storage devices, USB 2.0, and data transfer over standard Gigabit Ethernet networks. And you can drive the whole operation from the Turbo-R iDDR itself, or via external control.

“The Turbo-R iDDR now features REV Built In from Iomega”

PRODUCT FACT SHEET

The Turbo-R iDDR intelligent digital disk recorder with REV Built In from Iomega easily fits into existing workflows and infrastructures and is designed for a variety of applications such as events and staging, distance education, presentation and communication, production, and many other professional video applications.



Turbo-R iDDR Front Panel
Intuitive VTR Type Controls with Graphical User Interface and Built-in REV drive and DVD



Turbo-R iDDR Rear Panel
Standard ProAV Industry Connectors Including DVI-I for the Two Playout Channels

SPECIFICATIONS

Video

SD Record Channel

- SDI, composite, S-Video
- Component Y, Pb, Pr-BNC connectors

SD/HD Playout Channels

- Two each SDI, composite, S-Video
- Two component RGB/Y, PB, Pr – DVI connectors
- Analog/digital DVI
- HD 1080i (60, 50)
- PC type 1024x768 or 1365x768

Video Standards

- 525-line, NTSC, or 625-line PAL
- SMPTE 170M for NTSC and CCIR624 for PAL
- SDI-SMPTE 259M, ITU-601 only

Audio

Analog audio input

- Two input channels for record channel
- XLR connectors

Analog audio outputs

- Two output channels per playback channel
- XLR connectors

Digital audio input

- SPDIF on BNC connectors

Digital audio outputs

- Two sets SPDIF on BNC connectors

Genlock Reference

Loophru – BNC, 75Ω, composite video

Storage

- Approx. 10 hours at 25 Mb/s
- Approx. 40 hours at 4 Mb/s
- REV media stores more than 2 hours of 25 Mb/s SD HD video

Compression Format

- MPEG-2, 4-25 Mb/s

Front Panel

- With REV Built In from Iomega
- VTR-type transport control buttons
- LCD touch screen
- Headphone jack with volume control
- USB 2.0 connector
- IEEE 1394 FireWire connection
- DVD-ROM drive

Media Exchange

- 10/100/1000Base-T Ethernet, IEEE 1394 FireWire, USB 2.0, AVI, QuickTime, Windows Media, BMP/JPEG file import/export, HDV

Machine and Protocol Control

- Three RS-422 control ports
- 100/1000Base-T Ethernet port
- Protocols – BVW type
- AMP – Advanced media protocol

GPI ports (General Purpose Interface)

- Inputs: six inputs (15-pin D connector)
- Outputs: six outputs (15-pin D connector)

Time Code

- LTC – Longitudinal Time Code

Power Supply

- 300W, auto sensing 50-60 Hz, 100-127 VAC, 200-240 VAC

Physical

- Dimensions (HxWxD): 5.25 in. (130.4 mm) x 17.5 in. (444.5 mm) x 20 in. (508.0 mm)
- Mounts in standard 19-inch wide racks with optional adapter kit
- Weight (approx.): 28 lbs. (12.7 kg)
- Operating temperature (continuous play/record): 10° to 40°C @ 5% to 95% non-condensing relative humidity
- Non-operating temperature: -40° to 60°C @ 5% to 95% non-condensing relative humidity

Ordering Information

TURBO-R: iDDR: one record channel/two playback channel configuration with integrated REV drive, includes one REV 35 GB removable disk

Options and Accessories

- TURBO-RACK: Rackmount adapter kit
- TURBO-DVI-2-BNC: DVI to BNC adapter cable

ABOUT GRASS VALLEY

With Emmy® award-winning products and world-class technical and service expertise, we're the experts in professional video technologies. We also provide best-in-class products and workflow support for the Professional Audio Video market.

HEADQUARTERS

Thomson Worldwide

Headquarters

17 rue du Petit Albi – BP 8244
95801 Cergy Pontoise Cedex
FRANCE

iDDR Solutions

15655 SW Greystone Court
Beaverton, OR 97006
USA

SALES AND TECHNICAL SUPPORT NUMBERS

North America

Sales/Support +1 800 547 8949
+1 530 478 4148
Fax +1 530 478 3347

Latin America

Sales +1 786 845 5601
Support +1 530 478 4148
Fax +1 305 477 5385

Pacific

Sales +852 2531 3000
Support +852 2531 3056
Fax +852 2802 2996

Rest of the World

Sales +33 (0) 1 34 20 70 00
Support +800 80 80 20 20

To find an account representative, dealer, or distributor nearest you visit

www.thomsongrassvalley.com/sales



iDDR-2004F

www.thomsongrassvalley.com/TURBO