



# VRDV-5002-01

## Features

- ◆ Compact size
- ◆ Lightweight
- ◆ Variable quality settings
- ◆ Playback during flight
- ◆ Uses standard CompactFlash® cards
- ◆ Dzus mounting
- ◆ Can be remotely controlled by a Skyquest display



## High Definition Recorder

- ◆ Small, lightweight, low-power with HD/SD-SDI inputs and outputs
- ◆ Smallest professional quality HD/SD recorder player
- ◆ Outstanding video/tapeless workflow/low-cost media
- ◆ Unique CompactFlash based design
- ◆ Records to affordable CompactFlash cards providing: file-based tapeless workflow and storage
- ◆ Solid-state design provides performance in extreme temperatures and high g, in a rugged all aluminium construction with simplified Dzus fasteners
- ◆ Packaging interchangeable with the VRDV-3000 series recorders
- ◆ MetaData Support (future option) - Mission Data feed
- ◆ Instant playback of any clip, no need to rewind
- ◆ Low bit rate high compression for minimized mission storage requirements
- ◆ Simple file transfer to Blu-Ray™ Disc (BD) for playback on any media PC

## Video

- ◆ Fitted with a professional CODEC for the highest quality video compression
- ◆ HD and SD SDI serial video inputs

## Learn More

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**Table 1: HD Format Support**

	Film	World	USA/Japan	
				MXF file only Limited NLE support
1920x1080i		50 Hz	59.94 Hz	60 Hz
1920x1080p	23.98 Hz	25 Hz	29.97 Hz	30 Hz
1920x1080psf	23.98 Hz	25 Hz	29.97 Hz	30 Hz
1280x720p		50 Hz	59.94 Hz	60 Hz
720x486			29.97 Hz	30 Hz
720x576		25 Hz		

**Table 2: Physical Specifications**

Power	28 VDC
Power Consumption	28 Watts
Dimensions	146 mm x 56 mm x 256 mm
Weight	1.5 kg

## Audio

- ◆ 24-bit/48K audio: embedded or analog inputs, line level output
- ◆ Analog audio input: one balanced mic or two unbalanced mics or two (consumer) line levels
- ◆ Comprehensive Non-Linear Editing (NLE) support with professional editors including Final Cut Pro, Avid, Edius, Vegas and Premiere

## Recording Media

- ◆ Up to two CompactFlash cards
- ◆ Tested with:
  - SanDisk Extreme III 32 GB for up to 160 Mbps
  - SanDisk Extreme IV 16 GB for 220 Mbps
- ◆ Approximate recording time at different bit rates (in minutes)
  - 1x 32 GB card at 19 MB/s = ~210 min
  - 1x 32 GB card at 25 MB/s = ~160 min
  - 1x 32 GB card at 35 MB/s = ~114 min
  - 1x 32 GB card at 50 MB/s = ~80 min
  - 1x 32 GB card at 100 MB/s = ~40 min
- ◆ Recording bit rates are set at the factory. The default setting is 35 MB/s.
- ◆ Two cards can be fitted into the unit - one will automatically start recording when the other fills, seamlessly switching the recording from card 1 to card 2.
- ◆ Free PC playback software for PC with no HD playback CODECs
- ◆ Industry standard file format
- ◆ Lexar FW-800 USB CF high-speed reader recommended
- ◆ 3x to 6x download speed, metadata support

Note: The times are approximate and dependant on the signal source content.

## Ordering Part Number

- ◆ VRDV-5002-001