



# VRDV-4000 & 4010

## FLASH Disk Video Recorders

### Features

- ◆ Full PAL quality video recording
- ◆ PAL or NTSC versions
- ◆ 24 minutes recording per GByte of memory
- ◆ 4, 8 & 16 GB FLASH disks available
- ◆ Small & lightweight
- ◆ DZUS mounted for ease of installation
- ◆ Accepts composite, Y/C, RGB & STANAG 3350 video inputs
- ◆ Records audio
- ◆ "Burnt-in" time and date facility
- ◆ Easy archive to tape or hard disk (via PC)
- ◆ NVG compatible
- ◆ Dual deck option in same size case
- ◆ Control record functions from any AVDU series Skyquest LCD aircraft video display.
- ◆ Optional remote control.

### Introduction

The VRDV-4000 is a lightweight, DZUS mounted video recorder utilizing the latest FLASH disk recording technology to deliver high quality, full PAL video resolution recording. The VRDV-4010 is a dual deck version containing 2 independent recorders.



The unit has no moving parts and utilizes broadcast standard MPEG-2 compression technology to record onto removeable FLASH cards. The unit does not require anti-vibration mounts and delivers high quality, stable images usually associated with much larger and more expensive video recording systems.

The removeable PC FLASH cards are easily taken from the unit and can be plugged directly into a computer with a suitable PCMCIA CompactFlash reader. The recorded video is available for viewing on standard Windows® based media players.

### Learn More

Web / [sales.cwembedded.com](http://sales.cwembedded.com)

Email / [sales@cwembedded.com](mailto:sales@cwembedded.com)

# ABOVE & BEYOND

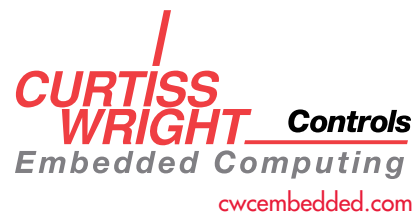




Figure 1: The VRDV-4000-01 installed in a helicopter



Figure 2: The optional remote control panel which can be used to control several recorders on the same aircraft.



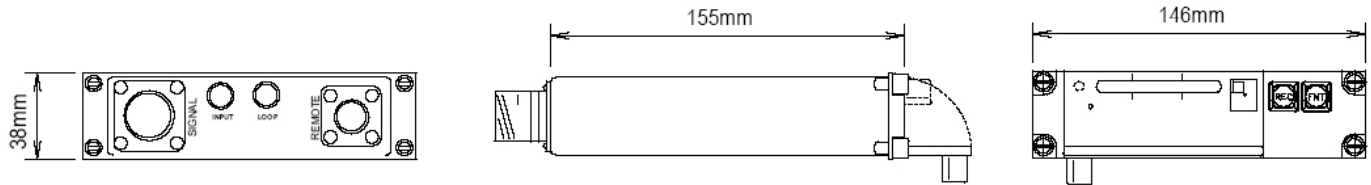
Table 1: Specifications

Outline Specifications	
Part Number	VRDV-4000-01 (single FLASH card version) VRDV-4010-01 (dual FLASH card version)
Mechanical Size	155 mm x 146 mm x38 mm
Operating Temperature Range	-10° to + 50° C (operating) -20° to + 70° C (standby) -25° to + 80° C (storage)
Finish	Black hard anodized aluminium
Weight	800 g (approximate)
DC Power Requirement	28V DC 15W
Disk Interface	PC card (PCMCIA) CompactFlash via adapter
Video	
Video Standards Supported	PAL or NTSC (composite, Y/C, RGB, STANAG)
Video Compression	MPEG-2
Video Input/Output Levels	1 Vpp 75 Ohm
Digitizing Resolution (PAL)	8-bit Y/UV, 720 pixels by 576 lines
Audio	
Number of Channels	2 (stereo)
Compression	MPEG1 Level 2
Input Level	Mic/line (adjustable)
Mic bias	3.3V
Power-up to Record Time	< 2 Seconds

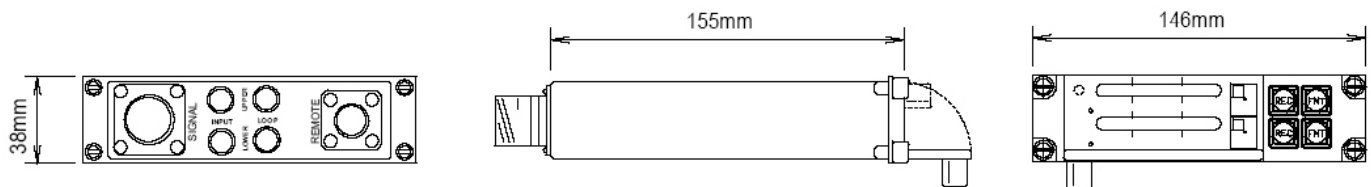


Figure 3: VRDV-4000 & VRDV-4010 dimensions

VRDV-4000-01 Single card Flash recorder



VRDV-4010-01 Dual card Flash recorder



### Warranty

This product has a one year warranty.

### Contact Information

To find your appropriate sales representative, please visit:

Website: [www.cwembedded.com/sales](http://www.cwembedded.com/sales)

Email: [sales@cwembedded.com](mailto:sales@cwembedded.com)

For technical support, please visit:

Website: [www.cwembedded.com/support1](http://www.cwembedded.com/support1)

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