



# VRDV-3000-01

## FLASH Disk Video Recorder

### Features

- ♦ Full PAL quality video recording
- ♦ PAL or NTSC versions
- ♦ Playback during flight from built-in memory
- ♦ 24 minutes recording per GB of memory. Typically > 3 hours from single 8 GB card.
- ♦ 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 (2 channels)
- ♦ "Burnt-in" time and date facility
- ♦ Easy archive to DVD or hard disk (via PC)
- ♦ NVG compatible
- ♦ Control record functions from any AVDU series Skyquest LCD aircraft video display.
- ♦ Optional remote control

### Introduction

The VRDV-3000 is a lightweight, DZUS mounted video recorder utilizing the latest FLASH Disk recording technology to deliver high quality, full PAL video resolution recording. Unique to the VRDV-3000 model is the combination of an internal fixed drive and a single slot removable PCMCIA slot drive. The removable card enables a full mission to be recorded without interruption while the internally fixed card enables the user to rewind and playback the previous 25 minutes of recording while in flight and without disturbing the master recording onto the other card.

The unit has no moving parts and utilizes broadcast standard MPEG-2 compression technology to record onto a removable FLASH card. 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 removable PC FLASH card is easily ejected from the unit and can be plugged directly into any computer with a PCMCIA CompactFlash reader. Instantly the video is available for viewing on standard Windows® based media players or for burning to DVD.



### Learn More

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

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Figure 1: The VRDV-3000-01



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



Figure 3: The VRDV-3000-01 controls

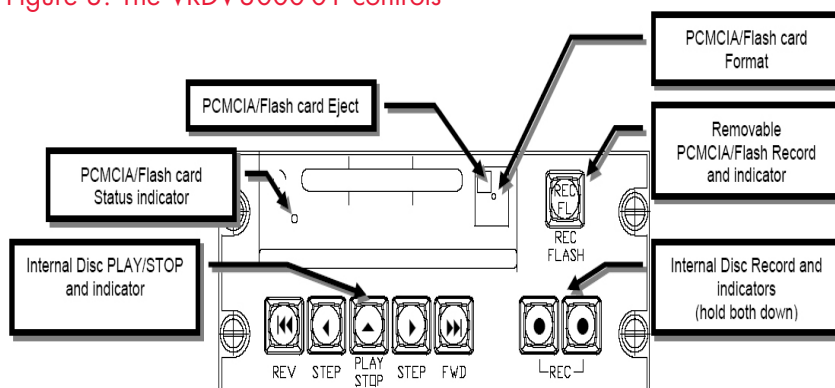
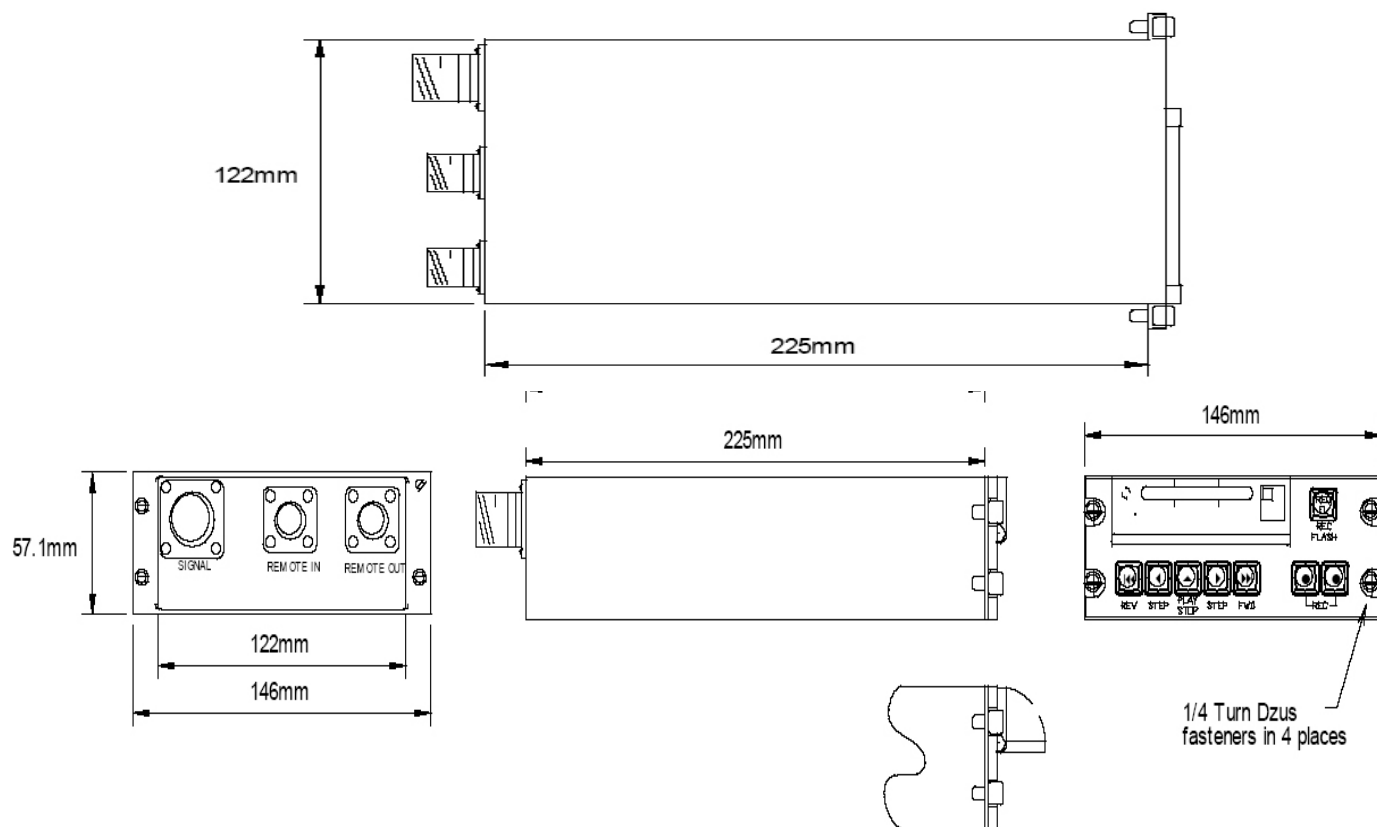


Table 1: Specifications

Outline Specifications	
Part Number	VRDV-3000-01
Mechanical Size	225 mm x 146 mm x 57.1 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	1 kg (approximate)
DC Power Requirement	28V DC 30W
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 4: VRDV-3000-01 dimensions



## Warranty

This product has a one year warranty.

## Contact Information

To find your appropriate sales representative, please visit:

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

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

For technical support, please visit:

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

Email: [support1@cwcmbedded.com](mailto:support1@cwcmbedded.com)

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