



Single & Dual Compact Flash Rugged MPEG-2 Digital Video Recorder

- I Rugged & compact real-time MPEG-2 video & audio recorder.**
- I Records to single or dual Compact Flash (CF) memory cards, playable on a PC / laptop.**
- I Up to 8 hours of high quality recording.**
- I Stereo line & mic level audio recording.**
- I 6 to 15 V DC powered with low current consumption.**
- I Rugged & light weight with no moving parts.**
- I "Burnt in" on-screen date and time**
- I Files may burnt to DVD disk, viewable on low-cost DVD players.**

FlashBack-2 is a new range of highly compact digital video recorders (DVRs) especially designed for covert video surveillance applications. FlashBack-2 utilises broadcast standard MPEG-2 video compression to record high quality real-time video and audio to one or two Compact Flash (CF) memory cards. Once a recording has been made, the flash cards may be removed and immediately viewed on a hardware CF media player or a PC. As FlashBack-2 files are fully MPEG-2 compliant, standard applications may be used view and archive recordings to disk or DVD.

The recorder is DC powered and has stereo audio inputs at microphone or line level. FlashBack-2 dual offers two Compact Flash card slots, doubling the record time and allowing for the "hot swapping" of cards. The system is easily configured for video quality, audio and triggered recording via its RS232 port and a PC application.

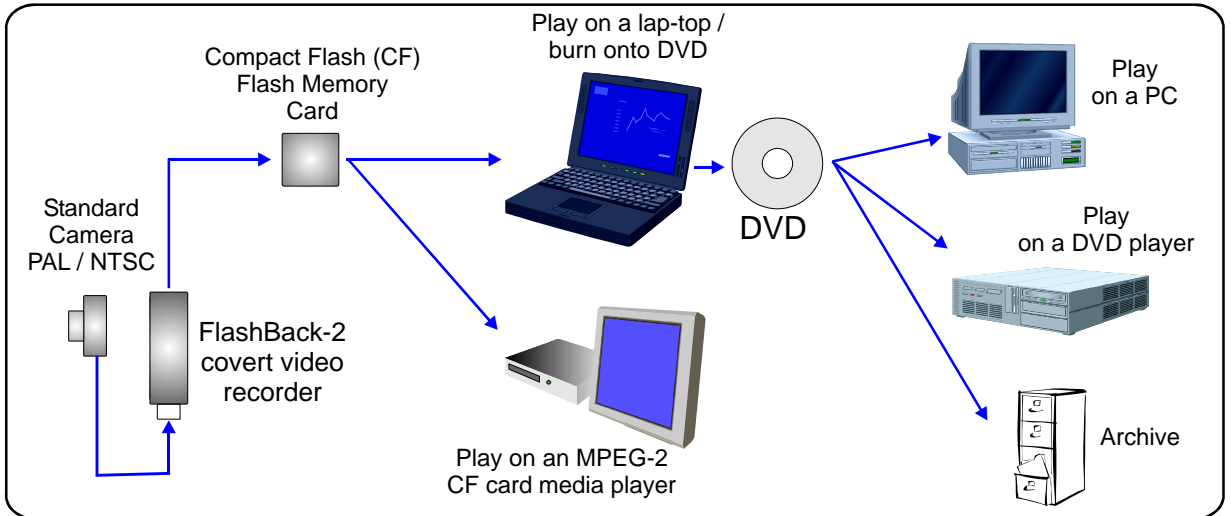
Housed in small rugged metal enclosures, FlashBack-2 is ideal for covert installations. Furthermore, it contains no moving parts so recording in harsh environments, with continual shock and vibration over extended temperatures (-10 to +60°C) is now possible.

With its excellent video performance, ease of playback, compact size and rugged construction FlashBack-2 is the ideal solution for covert and body-worn video recording applications.

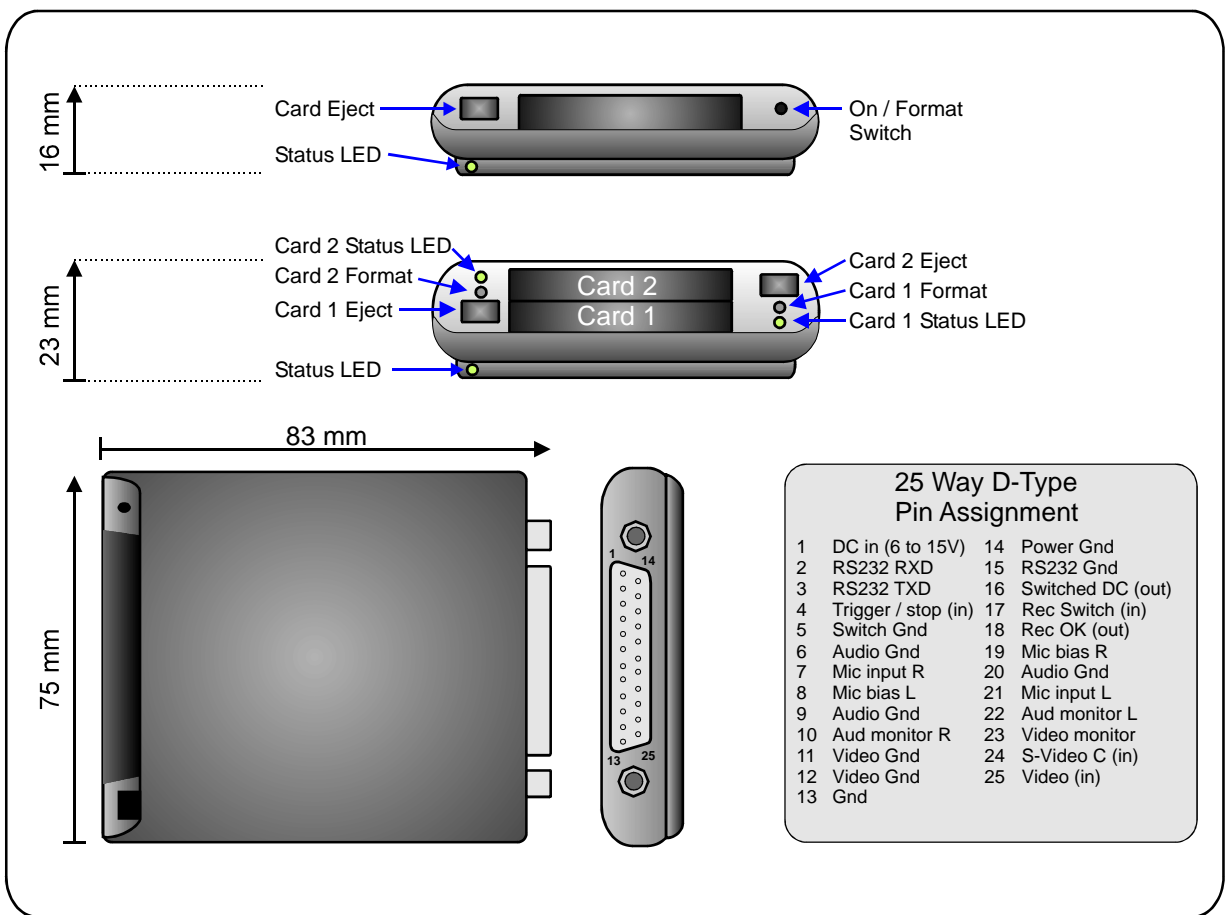


FlashBack-2

Covert Video Recorder



FlashBack-2 Application Diagram



FlashBack-2 Dimensions & Interfaces

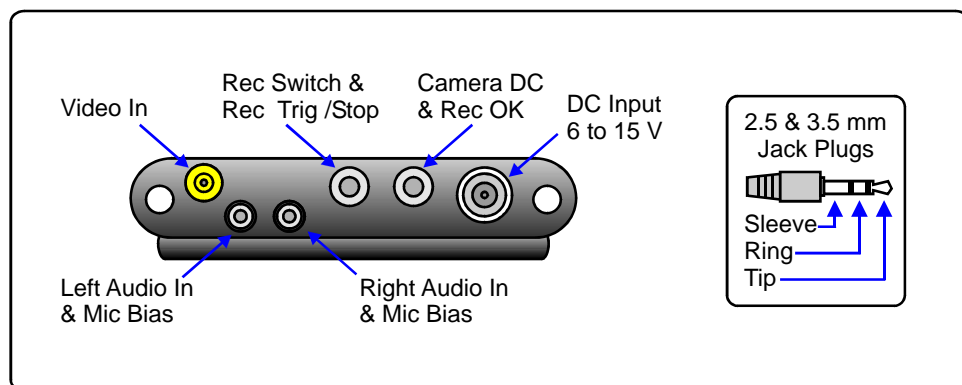
Outline Specification

General:		Video:	
Operating temperature range	0 to +45°C. (-10 to + 60°C optional)	Video standards supported	PAL & NTSC
Mechanical size (housed)	single 75 x 83 x 16 mm. dual: 75 x 83 x 23 mm.	Video compression	MPEG-2
Finish	Hard anodised aluminum.	Video Input level	1 Vpp into 75Ω.
Weight (housed, no cards)	Single 115g, dual 145g.	Digital sampling (PAL)	576 lines by 720 pixels
Operating voltage range	6 to 15 V DC	Power-up to record time	< 2 seconds
Power consumption	< 3 Watts	Record time (approx)	very high quality: 15 mins / GByte high quality: 25 mins / GByte low quality: 1 hour / GByte
Current consumption at 12 V	225 mA (approx.)	Audio:	
Standby current consumption	< 220 uA	Number of channels	2 (stereo)
Disk interface	CF Card	Compression	MPEG-1 level 2
Input / output connector	25 way D-Type socket.	Input level	Mic / line (adjustable)
Record control	Record on contact to Gnd or triggered record for preset time	Mic bias	3.3 v
		Configuration	via RS232 port & PC application.

Flashback-2 Connection Pod



FlashBack-2 includes a single 25 way-D-Type connector for all interfaces. This allows a single connecting cable assembly to be used, especially useful when installed within a system. However, when operated stand-alone, a connection pod is available providing more commonly used connections for the main FlashBack-2 functions. For ease of use, a set of 1 metre long interfacing cables is included with the pod.



Outline Specification

Mechanical size:	75 x 40 x 16 mm.	Record control:	3 pole 3.5 mm jack socket tip: record switch input ring: triggered record input sleeve: ground
Finish:	Hard anodised aluminum.		
Weight:	60 g.		
Video Input:	SMB (SMB to BNC adapter cable provided)	Camera DC & Rec OK:	3 pole 3.5 mm Jack tip: record OK output ring: switch camera DC output sleeve: ground
Audio inputs:	2 x 3 pole 2.5 mm jack socket: tip: audio Input ring: mic bias (3 Volts). sleeve: ground	DC input:	2.1 mm DC Jack socket with locking ring.

Please note, the above information is preliminary and Ovation Systems reserves the right to change specifications without notice. E&OE. Opto Vision France assumes sales, maintenance and completion by all accessories as ultra miniature audio cameras, and displays