

## FlashBack-3C



### FlashBack-3 with Ovation's i-Conex miniature Connector System

- FlashBack-3 DVR streamer with miniature connectors.
- Mating cable sets included for the FlashBack-3 Single and Dual.
- Interfaces to commonly used video, audio and power connectors.
- Easy to install in-line extension cables.
- Retains all the key interfaces of the standard system.

The FlashBack-3C is a new version of the highly successful FlashBack-3 range of DVR/streamers with miniature connectors that are colour coded for easy installation.

Each system is provided with the i-Conex miniature connectors, the new inter-connection and cabling system from Ovation Systems. i-Conex can interface to either bare wires or commonly used video, audio and DC power connectors. To aid deployment, it's a simple operation to extend any cable with the in-line 0.5 or 1 metre extension cables included with each system.

There are also a number of special accessories available using the new connector system including a GPS receiver, Knowles microphones and a miniature low-light bullet camera.

**i-Conex**

Miniature Inter-Connection System

FlashBack-3C is fitted with  
Ovation's i-Conex miniature  
interconnection system for ease of wiring  
and installation



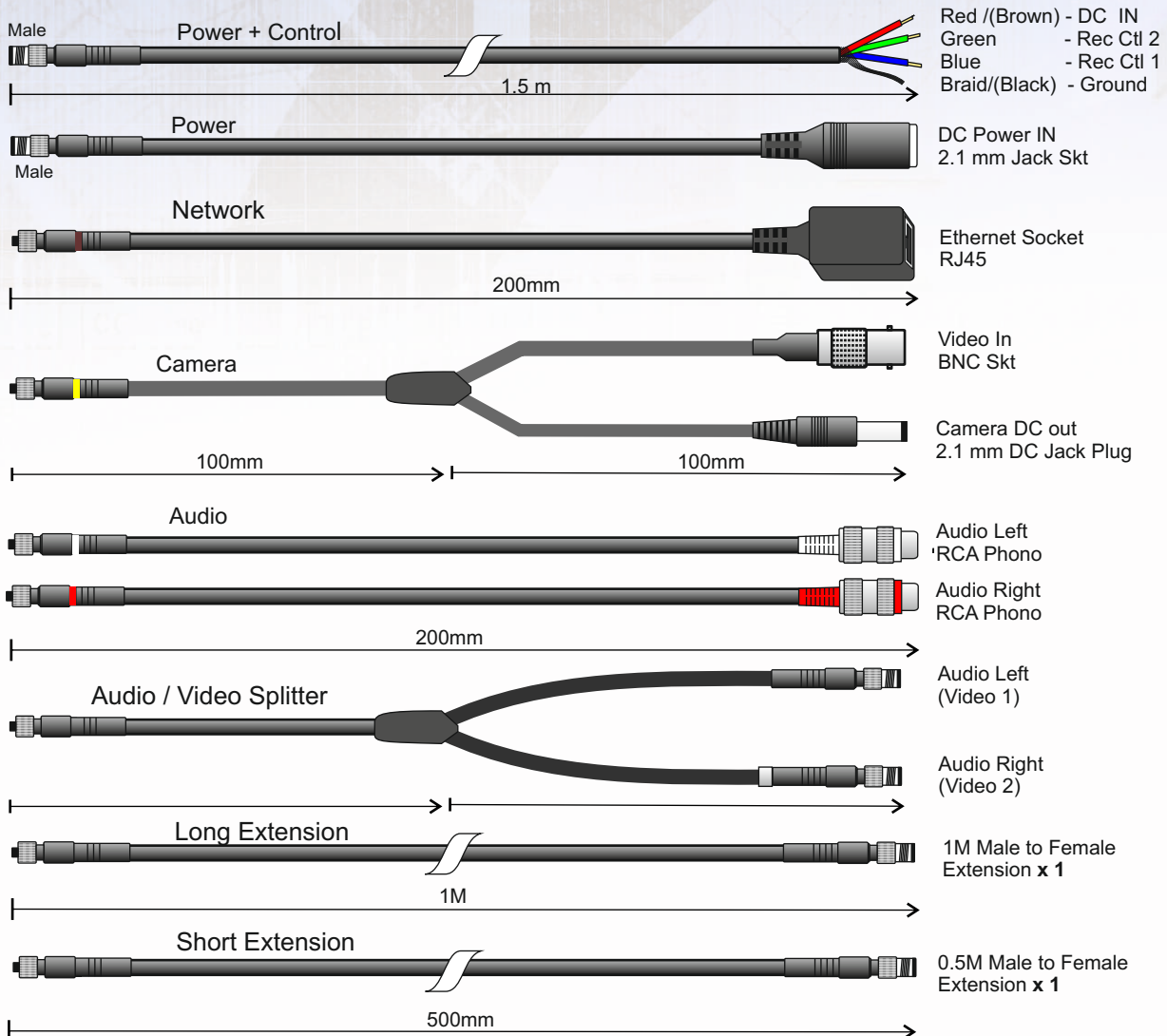


## FlashBack-3C Single



**FlashBack-3C Single Rear View**

### Standard Single i-Conex Cable Set:



### FlashBack-3C Single/Dual Connection Differences:

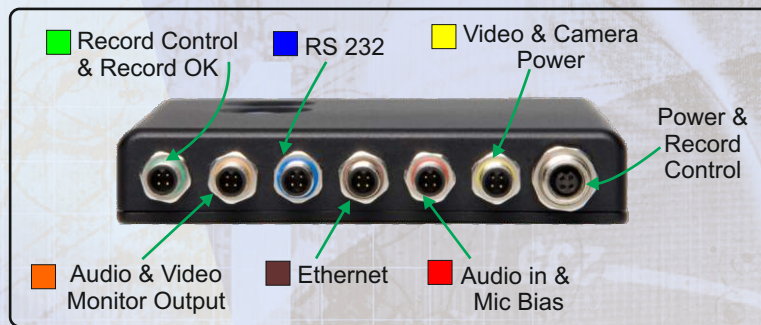
- RS232 and Ethernet interfaces share the same connector on the Single (changed by internal links).
- Single; record control is only available via the DC power input connector. The Dual has a second connector dedicated to record control, including a "Record OK" output.
- Dual includes an audio & video monitor output port.





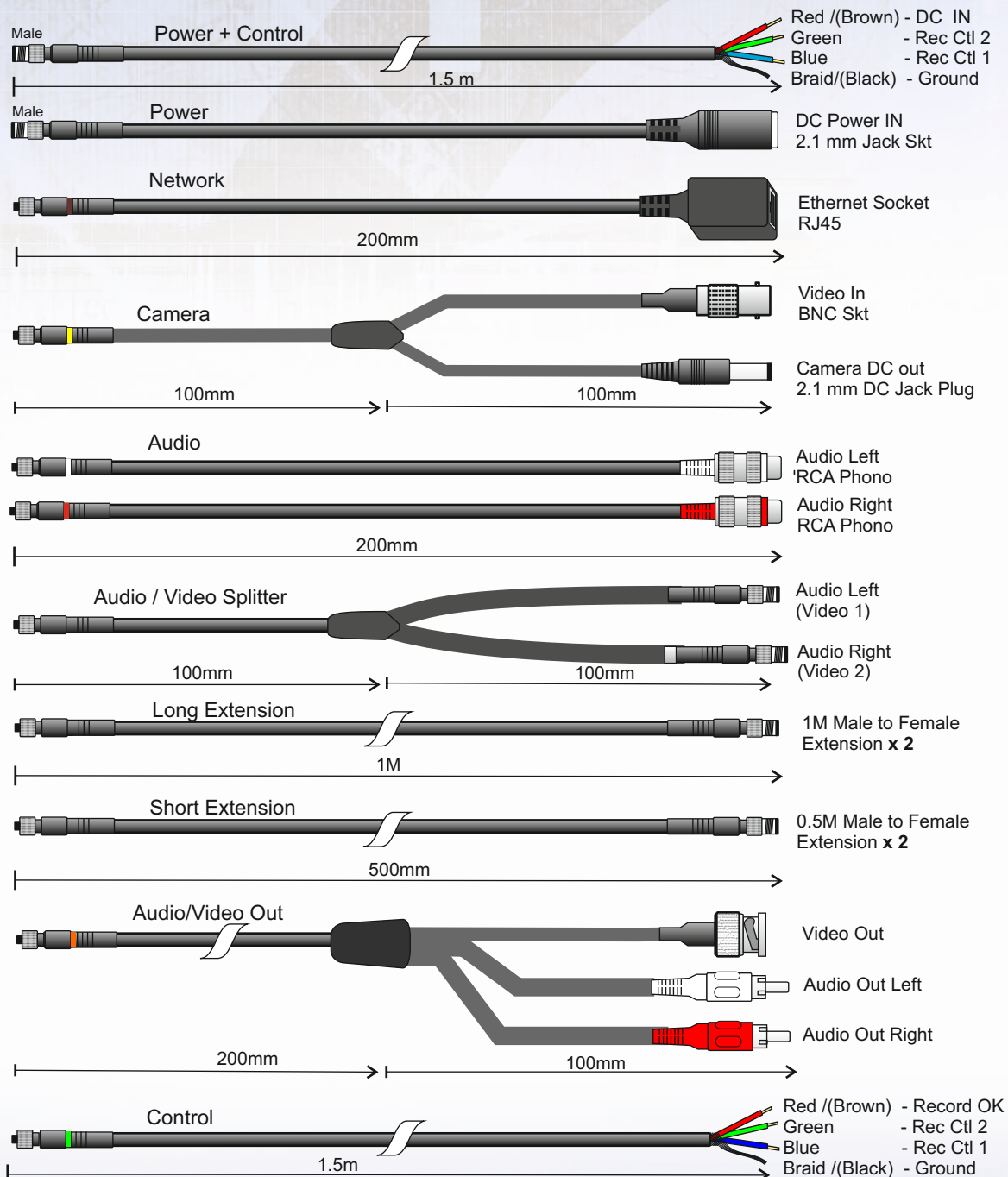


## FlashBack-3C Dual



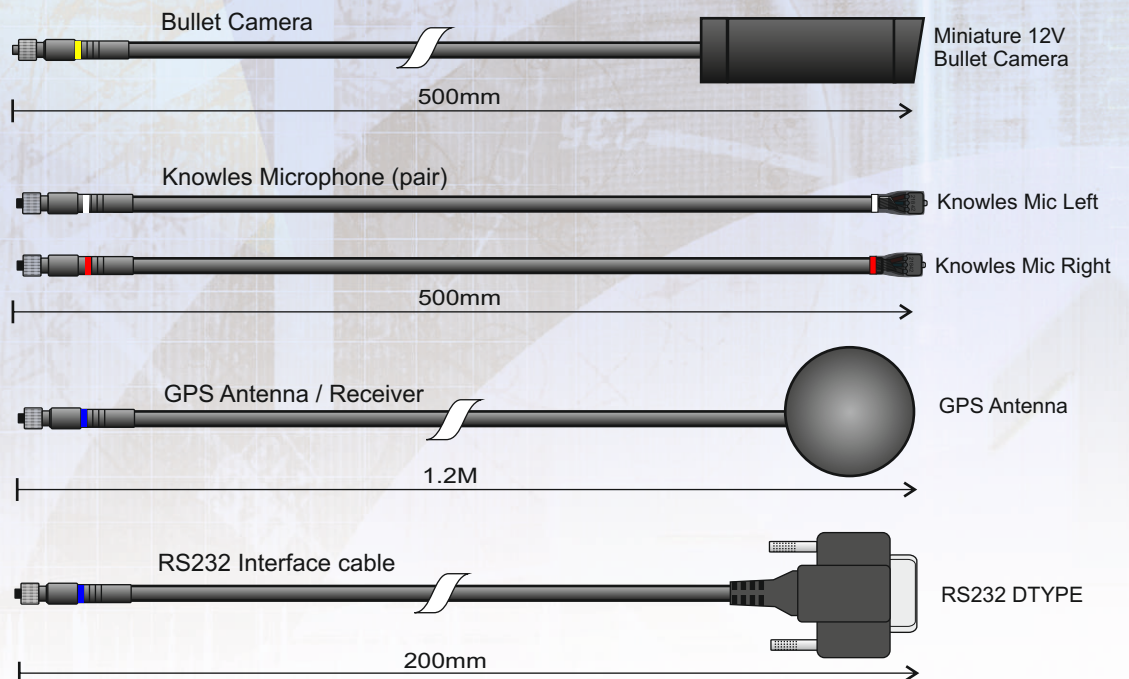
**FlashBack-3C Dual Rear View**

### Standard Dual i-Conex Cable Set:





## FlashBack-3C Optional Accessories



**Miniature low-light bullet camera**



**Knowles microphone**

### Product Code

FB3C-5546  
FB3C-5547  
FB3C-5552  
FB3C-5553  
FB3CA-5592  
FB3CA-5593

### Description

FlashBack-3C Connected SINGLE SD card PAL miniature H.264 video recorder with i-Conex cable set, 2GB SD card, PSU & carry case  
FlashBack-3C Connected SINGLE SD card NTSC miniature H.264 video recorder with i-Conex cable set, 2GB SD card, PSU & carry case  
FlashBack-3C Connected DUAL SD card PAL miniature H.264 video recorder with i-Conex cable set, 2x2GB SD cards, PSU & carry case  
FlashBack-3C Connected DUAL SD card NTSC miniature H.264 video recorder with i-Conex cable set, 2x2GB SD cards, PSU & carry case  
Additional FlashBack-3C Single i-Conex cable set (complete)  
Additional FlashBack-3C Dual i-Conex cable set (complete)







## Specification & Key Features:

### General:

Mechanical size:	Single; L:60 x W:40 x H:13.5 mm (Height 18.5 mm with internal battery option). Dual; L:80 x W:75 x H:13.5 mm (Height 18.5 mm with internal battery option).
Finish:	Hard anodised black aluminium.
Weight:	Single; 45g (without card & battery). Dual; 67g (without cards & battery).
DC power input:	7 to 28 V DC.
Current consumption:	< 100µA IN stand-by. < 1.8 Watts in stop (155 mA typical at 12V). < 2.4 Watts recording & streaming (200 mA typical at 12V).
DC outputs:	External camera power off; 5, 9, 12 or 16 V. 500 mA at 5 Volts, 200 mA at 12 V. GPS power; off, 3.3 or 5 V at 500 mA max.
Operating Temperature:	-10 to +50°C when suitable SD card is fitted (eg SanDisk Extreme III). 0 to + 35°C with internal battery option.
Record control:	Local record start / record stop buttons. 2 external inputs activated by contact to ground Default: Input 1; record switch, Input 2; record on trigger. Option: Input 1; start recording, Input 2; stop recording. Internal vibration alert on record, start and stop.
Internal battery option:	Single: 1 x lithium-polymer cell providing approximately 1.5 hours record time. (without powering external cameras / GPS etc). Dual: 1 x lithium-polymer cell providing approximately 2 hours record time
Configuration:	Webpage interface via Ethernet connection.
Recording media:	Single and dual flash memory card(s) with support for SDHC (Secure Digital High Capacity). Cards should be at least x 133 speed.
Connections:	Molex 1.25 mm pitch headers. Mates with Molex 51021 connectors. Interfacing cable clamp assembly to various connector combinations. Mini USB-2. RJ45 Ethernet connector (Single RJ4 connector via adapter).
<b>Video &amp; Audio:</b>	
Video input:	NTSC or PAL, composite or Y/C.
Video compression:	H.264 /AVC, MPEG-4 part 10. Playable in QuickTime, VLC etc.
Video record rate:	Real-time (25/30 frames per second) and user configurable time-lapse modes to 1 frame per second.
Video resolution:	Full standard definition (NTSC; 720 x 488, PAL; 720 x 576).
Record rates / times:	Extra high: 4.5 Mbps (29 minutes / GB) High: 3.0 Mbps (44 minutes / GB) Medium: 2.0 Mbps (66 minutes / GB) Low: 1.0 Mbps (2 hours 12 minutes / GB)
Video streaming:	Full rate CIF resolution H.264 streaming of live video input. Can record and stream simultaneously. Bit rates from 100 kbps to 800 kbps.
Onscreen display:	Recorded text overlay of date & time (in European & US formats) and GPS coordinates. User configurable position, text colour etc.
Audio input:	Dual channel microphone / line level, user configurable. Automatic gain control (AGC) on/off.
Audio format:	Stereo 44.1 kHz 16 bits per sample, AAC compression.
Motion detection (option):	16 user configurable zones with selectable sensitivity.
Data Interfaces:	
Ethernet interface:	RJ45 socket Dual, RJ45 adapter cable on Single. Programmable IP address (DHCP optional). HTML Web page configuration (password protected). Download of files via HTTP. Secure web and file download (via future upgrade). Dual recorder can be powered by Power over Ethernet (PoE).
Other interfaces:	USB-2 slave interface for file download. Shows the SD card as an external drive. RS232 port, can interface to GPS receiver to show coordinates onscreen or to control external PTZ camera etc.

**Please note:** Ovation Systems reserves the right to change specifications without notice. E&OE

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