

# Venom FlashPak

*Compact, Dockable Solid-State Recorder*



Grass Valley™ products from Thomson offer the industry's most comprehensive set of multi-format, high-quality solutions for acquisition, production, and post production. Our focus is on creating the most varied and flexible range of tools possible for digital cinema acquisition and production professionals.

We have a tradition of creating groundbreaking film-imaging technologies for directors, cinematographers, and post-production professionals. Today, whether you're shooting in digital or film, our broad line of products lets you work in the medium that perfectly suits your requirements.

The latest addition to this lineup is the Grass Valley Venom FlashPak, a dockable solid-state recorder that extends the capabilities of the Grass Valley Viper FilmStream™ Digital Cinematography Camera System and Grass Valley LDK 6000 mk II WorldCam multi-format HD camera.

### Compact, Dockable, Lightweight Recorder

The easy-to-mount Venom FlashPak system is a complete, portable solution for both digital cinematography and high-quality HD content origination. As a solid-state recorder it has no moving parts, making it durable and rugged for production work.

The Venom FlashPak recorder captures the uncompressed output of the Viper camera. When shooting with the camera in FilmStream mode—the highest standard for digital cinematography—each Venom FlashPak module has a 10-minute capacity; shooting in the 4:2:2 HD mode of the Viper camera extends this capacity to 18 minutes.

Directors using the Viper camera can also use multiple Venom FlashPak modules to speed their on-set workflows. A typical set would use three Venom FlashPak systems: one for the shoot, one replacement, and one for writing to a transport medium for delivery to a post house.

The Venom FlashPak system also supports the LDK 6000 mk II WorldCam camera, the market-leading camera for HD production. Its 18-minute HD capacity makes it an ideal camcorder for field productions shot with the LDK 6000 mk II WorldCam, including episodic and dramatic television series and commercials.

The dockable Venom FlashPak can output to a range of devices. Equipped with a Bluetooth interface, it also allows a production assistant to wirelessly create and edit metadata which is recorded and permanently associated with the content. This is an elegant replacement for the conventional paper notes associated with film shoots, which can all too easily become separated from the content to which they refer.

## key features

- Solid-state recorder
- Dockable, compact, rugged design
- Portable, easy-to-mount
- Generous recording capacity
  - 10 minutes in FilmStream mode
  - 18 minutes in 4:2:2 HD mode
- Compatible with Grass Valley Viper FilmStream Digital Cinematography camera
- Compatible with Grass Valley LDK 6000 mk II WorldCam camera
- Standard Bluetooth interface
- Can output to a variety of third-party devices

**Specifications**

Digital Recorder	Venom – Model No. DCR 4000	
<b>General</b>		
Power	DC 12V; 23W standby, 26W playback, 28W record	
Temperature range	Operating: -20°C to 40°C (-4°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)	
Humidity	5-95%	
Weight	2.1 kg (4.6 lbs.)	
Dimensions	145 (H) x 90 (W) x 235 mm (L), 5.7 (H) x 3.6 (W) x 9.3 in. (L)	
<b>Video</b>		
S/N ratio in Y signal	58 dB typical TBC	
Modulation depth	55%	
<b>Storage</b>		
Technology	Solid-state, Flash memory	
Recorder/video format	Auto-sensing to follow output from camera, for all available modes coming from Viper	
Quantization	10-bit	
<b>Aspect Ratio, Temporal Frequencies</b>	<b>HDTV, single HD SDI</b>	<b>FilmStream, dual HD SDI</b>
16:9, 720p, 4:2:2 mode	23.98/25/29.97/50/59.94 Hz	
16:9, 1080p, 4:2:2 mode	23.98/24/25/29.97 Hz	
16:9, 1080i, 4:2:2 mode	50/59.94 Hz	
16:9, 1080p, 4:4:4 mode		23.98/24/25/29.97 Hz
2.37:1, 1080p, 4:4:4 mode		23.98/24/25/29.97 Hz
<b>Recording Time</b>		
Time (uncompressed)	Up to 15 minutes accumulated duration, all clips	Up to 10 minutes accumulated duration, all clips
<b>Metadata</b>		
Information	Includes camera settings and user settings	
<b>Playback</b>		
Downloading material	All material is downloaded in real time	
Docking action	Wedge plate with rotating mechanical lock, hot-swappable recorder	
<b>Connectors</b>		



**Specifications (cont.)**

Multi-core connector	23 + 3-pin
Docking D connector	24p, 7 coaxial, 17 regular pin
HD-SDI out	2 x BNC, SMPTE 292M, 0.8 Vp-p, 1.5 Gb/s, 75Ω
Dual HD-SDI out	2x BNC. SMPTE 292M, 0.8 Vp-p, 1.5 Gb/s, 75Ω
Audio monitor out	1x 3.5 mm phono jack, line level
DC 12V in (on docking plate)	XLR-4 male
DC 12V in (on recorder)	XLR-4 male
Reference in	1x BNC ref input, on docking plate
Time Code in	1x 5p Lemo input (suits Clockit Box or similar), on docking plate
Bluetooth interface	Bluetooth interface to access and edit metadata, and transport control for clip select and playback
<b>Controls</b>	
Control keys	Escape, Select, Record, Stop, Play, (unlabelled), Down, Up, Light (backlight toggle)
Power select switch	DC supply source, from docking plate, from Venom (on Venom)
Power switch	DC on/off (on docking plate)
LED indications	Power (on/off, over temp = flashing), Bluetooth enabled, Ready, Recording
Status display	Backlit monochrome text display, current status and selections from menus
<b>Options</b>	
Docking kit	<b>Model No. LDK 6506/30</b> (complete for two Venom recorders and one docking kit)
Flight case	<b>Model No. LDK 5305</b>
Raincover	<b>Model No. LDK tba</b>



**Ordering Information**

Please contact your authorized Grass Valley representative.

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For more information contact your authorized Grass Valley representative or visit us online at [www.thomsongrassvalley.com/support](http://www.thomsongrassvalley.com/support).

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