

Introducing the world's smallest HD/SD Recorder/Player

# nanoFlash™

**Superb Video and Embedded Audio Quality  
Tapeless Workflow...**  
plus \*ASI In/Out...



- Capture using HD/SD-SDI or HDMI output into a world-class 4:2:2 full-raster (1920x1080i/p) MPEG 2 Codec at bit-rates of up to 160 Mbps (4X to 6X that of HDV)
- Virtual elimination of motion-artifacts, mosquito noise and keying problems
- Up to 8 Channels of audio embedded in the HD-SDI/HDMI stream
- Audio I/O via 3.5mm jack 24bit/48KHz3
- Camcorder-mountable, low-power, all SOLID STATE design
- Up to 2.5 hrs of recording time (50Mbps using 2 x 32Gb CompactFlash Cards)
- QuickTime or MXF file format for easy transfer to leading NLE programs

**Unlock the Quality Potential of  
your Camera**

\* Optional chargeable extra - unlockable software feature



Convergent Design



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## Outstanding A/V Quality/ Tapeless Workflow

### • Innovative CompactFlash based Design

Kingston 133 x 32GB (~ US \$60) for up to 140 Mbps  
 SanDisk Extreme III 32GB (~ US \$185) for up to 160 Mbps  
 USB CF Reader included - Lexar FW-800 (~ US \$65)  
 Hot swappable, non-volatile and highly reliable



High-Performance Solid State Media

### • Powerful File-Based Tapeless Workflow

Industry standard MXF File Format  
 or QuickTime file format for Final Cut Pro  
 Free MXF <-> QuickTime Converter  
 MetaData Support (Mark Take: Good/Reject etc)  
 Instant Playback of any clip, no need to rewind

### • Instant Editing from the CF Card or copy to NexTo Drive

Daisy-chain up to 4 Lexar Firewire-800 Readers  
 Play/Edit directly from CF card without re-wrap or transcode  
 Copy CF card -> eSATA/USB drive (using NexTo Drive)  
 500GB drive holds 8 hours of 100Mbps footage for (~ US \$300)



CF -> NexTo Drive (eSATA/USB Backup, Media Management)

### • Unique Recording/Playback Capabilities

Redundant Recording feature, create two simultaneous masters  
 Multiple units can be triggered simultaneously  
 Frame synchronisable record/playback capability  
 LTC-In and RS-485 Remote Control  
 24p Removal, Time lapse capture

### • Wide Format and Bit-Rate Options

1080i/60/59.94/50, 1080p30/29.97/25/24/23.98  
 1080p30/29.97/25/24/23.98, 720p60/59.94/50, 486i/576i  
 Full-raster, 4:2:2 I-frame only @ 100/140/160Mbps  
 Full-raster, 4:2:2 Long-GOP @ 50/100 Mbps (XDCAM HD 422)  
 1440 x 1080, 4:2:0 Long GOP @ 18~40 Mbps (IMX)  
 PCM 24-bit audio (recording)/MPEG1 Layer II audio (ASI)



CompactFlash® Card : Approx. Record Capacity using CF Cards (in Minutes)				
Bit-Rate	19Mbps	50Mbps	100Mbps	160Mbps
Record Capacity 2x32GB Cards	420	160	80	50
Record Capacity 2x64GB Cards	840	320	160	100



SDI HDMI

## Applications

- Upgrade native camera recording capability, blue/green screen compositing, off-line recording
- Portable HD/SD Deck, ENG, EFP, Indie, 3-D, Helmet Cams, Medical, Video Assist
- On-set Review, Presentations, Museums/Theme Parks, Trade Shows, Digital Signage

Dimensions: 4.2" x 3.7" x 1.4" (107 x 95 x 35mm)  
 Weight: 400g  
 Power: Input range of 6.5 to 19.5V makes nanoFlash compatible with most power sources

Note: Specifications are preliminary and subject to change without notice. nanoFlash is a trademark of Convergent Design Inc. CompactFlash and SanDisk Extreme are registered trademarks of SanDisk. QuickTime is a registered trademark of Apple Inc.

