

Unlock the Quality Potential  
of Your POV / HDV / XDCAM / HDCAM Camera;  
Enjoy the Benefits of Tapeless Workflow

**Top View**

LCD Panel, Function Keys  
Status LEDs, Record, Stop , Play

**Right Side View**

Audio Inputs (L & R)  
Combo Audio Outputs

**Bottom View**

IDX, Anton Bauer, and  
TriPod Mounts

**Left Side**

Compact Flash Slots  
With and Without Cover

**End View**

Power In (XLR), HP Out, GPIO, RS-422, On/Off  
TC I/O, 1394, SDI Out, SDI/ASI Out, SDI / ASI In

# Flash XDR™

## Portable HD Field Recorder

7x5x1.7" (127x44x178mm)

1 lb (0.5 Kg)

10 Watts

# Flash XDR

## Outstanding A/V Quality / Tapeless Workflow

### Innovative CompactFlash Based Design

- Industry-standard, non-proprietary memory
- Widely available, 16GB costs ≈ US \$200
- Hot-swappable, non-volatile, highly reliable
- Long-life: 10K Insertions / Removals

### Powerful File-Based Tapeless Workflow

- Industry Standard MXF (OP-1A) File Format
- XML Based Meta-Data
- High-speed transfer via USB, Express Card, or Firewire-800

### True “Field” Recorder

- Small Size, Lightweight, Low Power, No Fans
- Rugged Industrial Design: aluminum chassis with rubberized protective jacket
- All Solid-State construction, no heads to crash or tapes to jam
- 6 User-Programmable Function Keys
- 16 User-Defined Presets (video / audio setup, metadata)
- Locking connectors and lockable keyboard
- Multiple units can be simultaneously triggered

### Unique Recording Capabilities

- Time-Lapse Recording (I-Frame Only)
- Pre-Record Buffer
- 24p Pulldown Removal and Image Flip
- Audio / Video Sync Adjustment
- RAID 1 (Redundant) Recording Capability
- Programmable triggers: GPIO, Incrementing Time-Code, etc

### Outstanding Audio / Video Quality

- High Quality Sony MPEG2 CODEC
- 4X to 6X the Data-Rate of HDV
- MPEG2 4:2:2 Full-Raster (1920 x 1080)
- Long-GOP up to 100 Mbps, I-Frame up to 160 Mbps
- 16/24-Bit Uncompressed Audio
- **Uncompressed 8/10-bit 4:2:2 Option (Fall 2008)**

### Approx. Record Time (Four 32GB Cards)

Video Format	720p50 @ 50 Mbps	1080i60 @ 50Mbps	1080i60 @ 100 Mbps	1080p24 4:2:2 10-bit Uncompressed
Record Time (Mins)	284	284	142	17

High-Performance  
Solid-State Media

FireWire-800 Reader  
340 Mbps I/O

**MPEG2 HD422**

**CompactFlash®**

# Flash XDR™

## CompactFlash® Based, HD Xstream Data Recorder

### Highlights

- **HD-SDI ↔ 18, 19.7, 25, 35 Mbps 4:2:0, or 50, 100, 160 Mbps 4:2:2 MPEG2 Bit-Rates**
- **HD-SDI** Input (with 4-channel embedded audio and time-code)
  - 1080i60/59.94/50, 1080p30/29.97/25/24/23.98, 720p60/59.94/50
- MPEG2 Profiles Supported
  - 422P@HL: 100, 160 Mbps VBR (1920x1080i/p, 1280x720p, 4:2:2, I-Frame Only)
  - 422P@HL: 50, 100 Mbps VBR (1920x1080i/p, 1280x720p, 4:2:2, Long-GOP)
  - MP@HL: 18, 35 Mbps VBR (1440x1080i/p, 4:2:0, Long-GOP) (XDCAM HD)
  - MP@H-14: 25 Mbps CBR (1440x1080i, 4:2:0, Long-GOP) (HDV-2)
  - MP@HL: 19.7 Mbps CBR (1280x720p, 4:2:0, Long-GOP) (HDV-1)
- Inputs: HD-SDI / ASI (Option), Balanced Stereo Analog Audio (XLRs) – switchable between line and microphone levels with 48V phantom power (mic preamp with 0 to 65dB gain), Time-Code (LTC)
- Outputs: 1394 (6-pin), HD-SDI (re-clocked) / ASI (Option), Balanced Stereo Analog Audio (XLRs)
- Audio Input Source: 2-channel analog balanced or 4-channel HD-SDI embedded
- Audio Formats:
  - MPEG1 Layer 2 (384 Kbps: 2-Channel, 192 Kbps: 4-Channel)
  - Uncompressed PCM Audio (4 Channel, 48-KHz, 16/24-Bit)
- **Compact: 6.0”(W) x 2.5”(H) x 8.0”(D)**, (152 x 63 x 203 mm), 1 lbs (0.5 kg)
- Low Power: 10W, +6V~+20V DC power, 4-Pin XLR; support for Anton Bauer and IDX batteries
- Record Start/Stop and Tally Light connector (4-pin Hirose)
- Rugged, all solid-state construction, no disk-drive heads to crash or tape mechanisms to jam
- Applications:
  - Upgrade video quality, tapeless work-flow
  - Live-Event recording (churches, concerts, etc), news / courtroom pool feed
  - OB Trucks: ASI to Satellite UpLink; Digital Signage
  - Sports, Nature shoots, Film documentaires, etc.
  - Helicopters, Race-Cars, Airplanes, Helmet cameras
  - Sports, Medical, Corporate, ENG, EFP, Underwater cameras
- available NAB 2008 time frame; 32Gbyte CompactFlash cards cost ≈ US \$400
- Optional ASI I/O with programmable PIDs etc ()
- **Optional 8/10bit 4:2:2 uncompressed option, Fall 2008, pricing TBD.**

Canon XL-H1 with Flash XDR



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Note: specifications are preliminary and subject to change without notice.

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