

FLASH XDR

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

Dimensions - 7x5x1.7" (127x44x178mm)
1 lb (0.5Kg)
10 Watts

Flash XDR

Outstanding A/V Quality / Tapeless Workflow



High-Performance
Solid-State Media

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



FireWire-800 Reader
340 Mbps I/O

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)**

MPEG2 HD422

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

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)
 - o 1080i60/59.94/50, 1080p30/29.97/25/24/23.98, 720p60/59.94/50
- **MPEG2 Profiles Supported**
 - o 422P@HL: 100, 160 Mbps VBR (1920x1080i/p, 1280x720p, 4:2:2, I-Frame Only)
 - o 422P@HL: 50, 100 Mbps VBR (1920x1080i/p, 1280x720p, 4:2:2, Long-GOP)
 - o MP@HL: 18, 35 Mbps VBR (1440x1080i/p, 4:2:0, Long-GOP) (XDCAM HD)
 - o MP@H-14: 25 Mbps CBR (1440x1080i, 4:2:0, Long-GOP) (HDV-2)
 - o MP@HL: 19.7 Mbps CBR (1280x720p, 4:2:0, Long-GOP) (HDV-1)
- **Inputs:** HD-SDI, 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), Balanced Stereo Analog Audio (XLRs)
- **Audio Input Source:** 2-channel analog balanced or 4-channel HD-SDI embedded
- **Audio Formats:**
 - o MPEG1 Layer 2 (384 Kbps: 2-Channel, 192 Kbps: 4-Channel)
 - o Uncompressed PCM Audio (4-Channel, 48-KHz, 16/24-Bit)
- **Compact: 5.0”(W) x 1.7”(H) x 7.0”(D)**, (127 x 44 x 178 mm), 1 lbs (0.5kg)
- **Low Power:** 8W, +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:**
 - o Upgrade video quality, improve workflow of tape-based HD Camcorders with HD-SDI output
 - o Live-Event recording (churches, concerts etc), news/courtroom pool feed
 - o Mobile Trucks, Local TV Station Broadcast, Post Productions, Polecams
 - o Sports, Nature Shoots, Film documentaries, etc.
 - o Helicopters, Race-Cars, Horse-Races, Airplanes, Helmet cameras
 - o Sports, Medical, Corporate, ENG, EFP, Underwater cameras
- **Optional ASI I/O with programmable PIDs etc (US \$995)**
- **Optional 8/10bit 4:2:2 uncompressed option, Fall 2008, pricing TBD**

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

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FOR ALL PRICING AND DELIVERY PLEASE CONTACT

POLECAM

10 Sunbeam Road, Woburn Road Industrial Estate, Kempston, Bedford MK42 7BY

Tel: +44 (0)1234 855222 Fax: +44 (0)1234 855270 Email: info@polecam.com