

HD SDI MICRO DVR

Record HD/3G SDI video and photo anytime, anywhere

The HD SDI DVR, a solid state 1080p Full HD DVR with advanced H264/MPEG4 codec, is one dedicated battery powered HD SDI DVR designed for mobile applications. It is a rugged, easy to use camcorder that records beautiful 1080p video from any HD SDI or 3G SDI video sources. A single record button makes operation simple and easy with just one click. Even more, you can connect to handy LANC remote control while focusing on your activities. Various record trigger are available for specific application.

There are six level record quality, LQ/EP/LP/SP/HQ/UQ for record options. On board gain adjustable omni-directional microphone, on board charger and buzzer are also available. One full-color LED are used to indicate DVR status.

The HD SDI DVR is the unique SDI DVR on the market, that supports any standard HD SDI camera with SDI jump cable. The external SDI camera can even be powered by DVR if the current consumption is under limit. Besides this, a series of quality high sensitivity, low light operation HD or 3G SDI bullet camera are also optimized and supplied for the HD SDI DVR for better clarity, accurate color, minimal distortion, smallest size and easy operation.

The recorded video files can be imported to any PC via onboard USB or card reader and replayed. A supplied software ExtremeApp can also import, replay recorded video with future GPS, GoogleMap, G-Force support.

The HD SDI DVR is designed with internal Industrial Lion polymer batteries for both DVR and camera standalone power. It will be charged automatically by on board charger while external power connected. The external power can be swapped with battery any time without the interruption of record operation. It supports standby mode while idle to extend the working time.

HD SDI DVR records the video into crisp 1080p full HD video stream at a full frame rate up to 12Mbps/s. It also supports time-lapse photo and high-speed burst mode so no brilliant senses will be missed.

The HD SDI DVR can be used in almost unlimited number of situations, like sports, security surveillance, remote monitoring, spy, car racing, helicopter, bus, TV station and filming etc.



Features:

- ◇ The smallest and lightest HD SDI DVR on the market
- ◇ Support Full HD up to HD SDI and 3G SDI inputs
- ◇ Video Bit Rate up to 12Mbps
- ◇ Support both H.264 and MPEG4 video codec
- ◇ Support frame rate 25fps/30fps and 24fps
- ◇ 5 level gain adjustable Omni-direction microphone
- ◇ Photo Burst mode and Time-Lapse mode
- ◇ Take single, burst and continuous photo
- ◇ Unique LANC remote control interface
- ◇ Power over cable no separate power input required
- ◇ Battery powered for mobile DVR applications
- ◇ Hot swappable external power or Internal Battery
- ◇ On-board battery external charge circuit
- ◇ Low power consumption up to 90 minute recording
- ◇ Record on removable SDHC Card
- ◇ 2.4" TFT LCD for in field setting and preview
- ◇ Real-time Clock, Time/date stamp and OSD
- ◇ Various record trigger events for various applications
- ◇ Motion Detection record supported
- ◇ Rugged aluminum housing
- ◇ upgradeable firmware
- ◇ Optimized HD SDI Bullet Camera with lock connector
- ◇ Camera wearable on head or mount on bars, helmet or vehicle
- ◇ Camera weather proof withstands dust, dirt, mud or rain
- ◇ Light weight only 178g with battery and MicroSD card



HD SDI MICRO DVR

With HD SDI Camera

Specification

Power :

Power Input	: 12VDC 1A, 112-240VAC Adapter Car Cigarette are Optional
Internal Battery	: 2x Lion polymer rechargeable battery, 2200mAh/ea.
USB	: MicroUSB, 5VDC 1.2A
Consumption	: 750mA at 5VDC while recording
CAM Power	: 12V, 3WDC limit, 5-12V customizable

Video and Photo :

Video Encoder	: H.264/AVC Main Profile, MPEG-4
Resolution	: 1920x1080@25/30fps Record
Bit Rate	: Max. 12Mbps/s, 6 level adj.
Frame Rate	: 24/25fps/30fps
Codec	: H264/MPEG4, .avi file format
Rate Control	: CBR/VBR
Photo	: Jpeg, 1920x1080
Photo Capture	: 1/3/5/10 Burst, 2/5/10/30/60 Time-Lapse

Audio :

Sampling	: 16KHz, 16bits
Codec	: AAC
Channels	: 2, with Automatic Gain Control
MIC	: 2.2VDC Bias, 2.2Kohm, <0.7VRMS -36dB. MIC gain adj.

Camera & Input:

HD SDI	: 720p50/60, 1080i50/60, 1080p25/30 SMPTE 296M/274M/292M
3G SDI	: 1080p50/60 SMPTE 425M/424M
Video Interface	: SDI, 1.485Gb/s, BNC, 75ohm, 800mVpp SDI, 2.97Gb/s, BNC, 75ohm, 800mVpp SDI Cable length customization : 1 x Lock or 1 x BNC

Recording:

Trigger	: Button, Power up, LANC Remote Motion Detection
Motion Detection	: 12 areas, 3 level sensitivity
Mode	: Normal, Loop

* Only display center part of input video for bigger preview on small LCD

Interface :

AV	: 10pin Lock Connector or BNC
Memory	: SDHC up to 32GB Micro USB Device or Host
MIC In	: Stereo, Omni-directional
Power	: DC 4.2mm O.D. x 1.3mm I.D MicroUSB
LANC Control	: 2.5mm LANC Jack
Video Output	: 3 x RCA 75Ω Via 3.5mm Jack
Button	: Record, Power, Directional
Visible	: Full-color LED
Alert	: Buzz
LCD	: 2.4" TFT

Software :

Firmware	: Upgradeable, Linux OS.
ExtremeApp	: 1.2

Storage :

Micro SDHC	: Up to 32GB, class 4 or higher
Hard Disk	: External USB HDD, Flash Drive
Disk Format	: FAT32

Configuration :

Setting	: LCD Menu on board
---------	---------------------

System requirements (Playback):

- USB 2.0 Interface
- USB 2.0 SDHC Card Reader
- SDHC card interface
- Monitor resolution: 1920x1080

Physical and Environment

Size:	87x70x23.5mm(3.15" x 2.75" x 0.9") Sand blast black aluminum
-------	---

Weight: 178g(6.3oz) (Include battery and card)

Temp.: 0°C to 45°C in flow air and shadow

Accessories

- USB Power Cable for Charging and Data Transfer
- SDI Lock Jump Cable, AC Power Adapter
- *HD SDI Camera
- *HD SDI Camera with CS Mount
- *3G SDI Camera
- *3G SDI Camera with CS Mount
- *Car Cigarette Lighter Charger
- *Portable Power Battery Charger
- *LANC Remote Control
- **Accessories is optional and sold separately.

* All specifications are subject to change without notice.

* Accessory supply may be different for different product options.

* Actual object may differ from what you see from the catalog.