




ClipRecorder



ClipRecorder

Uncompressed Single or Dual Channel, file-based HD & SD disk recorder.

-  [Application Note for AV & Presentation](#)
-  [Application Note for Broadcast](#)
-  [Application Note for Post Production](#)

- 19" rackmount
- SD, HD & 2k record & playback
- Frame accurate control via RS422 using standard protocols as Sony, Louth, Odetics
- Show control & network control interfaces

▲ Technical Specifications and Comparison (click to show)

Overview:

Model	Application	Color Space	max. Resolution	Video-HDDs
ClipRecorder AV LE	Broadcast; AV	YCrCb	1080i25; DCinema	8 x SATA
ClipRecorder AV SE	Broadcast; AV	YCrCb	1080p50/p60	8 x SATA
ClipRecorder 2k	Postproduction	YCrCb; dual-link RGB	1080p50/p60; 2k	8 x SAS
ClipRecorder AV X2*	Broadcast; AV	YCrCb	1080i25; DCinema	16 x SATA
ClipRecorder 2k X2*	Postproduction	YCrCb; dual-link RGB	1080p50/p60; 2k	16 x SAS

* dual channel

Basic hardware

- 19" Rackmount SAS/SATA server system
- Motherboard with 1066/1333/1600 MHz FSB
- XEON 64bit QC 2.00GHz/2x6MB CPU (Upgrade optional)
- 2 x 1024MB RAM
- DVD-ROM: 16x / 48x, ATAPI
- Dual GB Ethernet, RJ-45
- 500 GB S-ATA-System HDD, 24x7
- Keyboard, mouse and country kit
- WindowsXP Pro operating system
- 19" 4RU chassis black
- 920W high efficiency power supply - Platinum Level (2nd redundant power supply as option)

Shuttle Pro

- Remote Control Panel with USB interface

Timecode/Keycode/Inkcode

- input and output via HD-SDI (RP-188/RP-215)
- input and output via RS.422 (VITC, LTC)
- output via analog audio (LTC)

QuickClip Pro Software SD, HD & DVI

- DDR Software from Drastic Technologies
- graphical user interface with advanced EDL I/O
- ClipControl and ClipEdit / trim
- HSDL & HD control
- loop modes
- External Serial VTR Control: Sony, Harris (VDCP) and Odetics
- VTR/DDR Serial Emulation: Sony, Harris (VDCP) and Odetics
- EDL support: Avid Log, CMX, Sony, GVG, D-Vision, Drastic EDL, Drastic LOG
- Play List, Loop, Sub-Clip
- Film Space Mode: Film Space
- QuickClip PRO supports:
 - QuickTime 8/10bit .mov
 - Windows Media 9 8/10bit .wmv
 - HDR-YUV-RAW Stream .hdr/.yuv
 - AVI in 4:2:2/YUV 8/10bit .avi
 - YUV stills 8/10bit .yuv.v210
 - Aiff/Wave

Comparison Table:

	AV LE	AV SE	2k	AV X2	2k X2
Graphics PCI-Express	FX580	FX580	FX1800	FX580	FX1800
SAS/SATA-Controller & Backplane	8x	8x	8x	16x	16x
hot-swap SATA disk bays	8x	8x	8x	24x	24x
SD & HD & HSDL I/O					
Dual-Link HD	-	X	X	-	X
4:2:2	X	X	X	X	X
4:2:2:4, 4:4:4	-	-	X	-	X
number of channels	1	1	1	2	2
Genlock input / loop through, 2xBNC	X	X	X	X	X
HD/SD analog component video inputs, 12 bit, 3 x BNC	1x	-	-	2x	-
HD/SD analog component video out, 12 bit, 3 x BNC	1	1	1	2	2
Broadcast quality 10bit down-converter for video output (4:2:2 only)	X	X	X	X	X
Broadcast quality 10bit up-converter for video output (4:2:2 only)	-	1x	1x	-	2x
AES/EBU digital audio inputs & outputs	2x	8x	8x	4x 2 per channel	16x 8 per channel
XLR/BNC (2 channel preview analog audio)	2x	2x	-	4x 2 per channel	-
Number of embedded audio channels (48KHz) with 16, 20, 24, 32 bit	8x	16x	16x	16x 8 per channel	32x 16 per channel
19" breakout box					
XLR & BNC connectors for audio	Model 1	Model 2	Model 2	2x Model 1	2x Model 2
BNC connectors for HD /SD I/O					
External Control Interface					
RS-422 output for deck/VTR control	3x	3x	3x	2x	2x
RS-422 input for external control	1x	1x	1x	2x	2x
Video Raster (SDI/HD-SDI)					
SD: 720x576/608@50i 720x480/486/512@59.94i	X	X	X	X	X
HD: 1280x720@50p, 59.94p, 60p 1920x1080@23.98p, 24p, 25p, 30p 1920x1080@23.98sf, 24sf 1920x1080@50i, 59.94i, 60i	X	X	X	X	X
1920x1080@50p/60p (dual-link 4:2:2)	-	X	X	-	X
2048x1080@23.98p, 24p 2048x1080@23.98sf, 24sf	X	X	X	X	X
HSDL: 2048x1556/2048x1536@14.98p, 15p	-	X	X	-	X
2k Center Cut Playback via HD-SDI: 2048x1556/2048x1536@24p/25p as Center Cut with 1920x1080	-	X	X	-	X
DVI/VGA Raster (graphic output)					
VESA 640x480 up to 1600x1200@72p HD progressive & custom raster up to 2048x1080@24/25p	X	X	X	X	X
Advanced File System with:					
TGA, TIFF stills 8bit .tga/.tiff Cineon and DPX stills 8/10b .cin/.dpx	-	-	X	-	X
Available Disk Space (TB)*	4 8 16	4 8 16	1.2 2.4 3.6 4.8	8 16 32	2.4 4.8 7.2 9.6
* 1TB = 12.5h @ SD/PAL YCrCb8b 10.0h @ SD/PAL YCrCb10b 2.5h @ 1080i25 YCrCb8b 2.0h @ 1080i25 YCrCb10b 1.2h @ 1080i25 RGB 10b					

These are the specifications of our basic models.

Specifications are subject to change without notice.

We can customize our ClipRecorders to exactly match your needs.

ClipRecorder



ClipRecorder - DTReplayLive

Based on the ClipRecorder 2k X2 DVC offers a complete uncompressed Sports Events Review System.

DTReplayLive



DTReplayLive™ is a digital slow motion replay system for SD and HD video signals. It records an incoming video signal in a loop to a local disk array and allows various playback modes for the captured material. DTReplayLive™ runs on a two channel system. One channel is dedicated to VGA display, and one channel is dedicated to video capture.

Click to download page as PDF