

ClipDisk TNG



universal HD-SDI and HDMI Player

Compact, standalone, remote-controllable universal player for nearly all formats from 480i/30 to 2k. Outputs simultaneously via HD-SDI and HDMI.

There is no doubt that high resolution digital images provide a significant step forward to superior video shows needed in the advertisement and presentation market. Addressing various application scenarios the ClipDisk is an universal 'workhorse', which easily could be configured for complex multichannel solutions. Beside standalone playback, synchronization-over-IP allows to combine multiple ClipDisks for frame-accurate playback in 3D, split-screen and video-wall application using standard 100BaseT network.

Technical Specifications and Comparison (click to show)

Overview

The ClipDisk TNG is available as 2 different models (LE and SE). The main differences are listed below - for a more complete comparison please refer to the 2nd table below.

Model	max. Resolution	# AES/EBU	3D Support
ClipDisk TNG LE	1920x1080	2x	no
ClipDisk TNG SE	2k	8x	yes

Both models are also available in different form factors - either 19" rackmount model (Rack) or as compact desktop system (Compact).

Basic hardware

- Rack:
 - 19" Rackmount SAS/SATA system, 2HU chassis
 - Motherboard with 1066/1333/1600 MHz FSB
 - Xeon X3470 2.93GHz CPU (Upgrade optional)
 - 2 x 2048MB RAM (Upgrade optional)
 - Dual GB Ethernet, RJ-45
 - 4 x 1 TB S-ATA-HDD, 24x7
 - Windows7 x64 Pro operating system
 - 280W high efficiency power supply with PCF
- Compact:
 - Compact sized desktop system
 - Motherboard with 1066/1333/1600 MHz FSB
 - Intel Core i5 680 3.60GHz/4MB CPU (Upgrade optional)
 - 1 x 4096MB RAM (Upgrade optional)
 - GB Ethernet, RJ-45
 - 4 x 1 TB S-ATA-HDD, 24x7
 - Windows7 x64 Pro operating system
 - 530W high efficiency power supply

Timecode/Keycode/Inkcode

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

Player Software

- graphical user interface with advanced EDL I/O
- ClipControl and ClipEdit / trim
- loop modes
- External Serial VTR Control: Sony, Harris (VDCP) and Odetics
- Play List, Loop, Sub-Clip

Supported Formats - Real time playback

- MOV - DVSD, DV25, DV50, DVHD, AVCi100, DNxHD, CineForm, CineForm3D, RGBA, RGB-10 (DPX), YCbCr 8 & 10 SD/HD
- AVI - DVSD, DV25, DV50, DVHD, CineForm, CineForm3D, YCbCr 8 & 10 SD/HD
- MXF-Panasonic-P2 - DV25, DV50, DVHD, AVCi100
- MXF-Sony - MPEG IMX
- MXF-Avid - DNxHD, DV25, DV50, DVHD, Uncompressed
- MXF-OP1a/Omneon - DV25, DV50, DVHD, AVCi100, Uncompressed
- HDR-YUV - DV25, DV50, DVHD, AVCi100, RGB, Uncompressed YCbCr 8 & 10 SD/HD
- YUV - 4:2:0 YCbCr image sequence
- v210 - 4:2:2 10 bit YCbCr image sequence
- GEN - 4:2:2 YCbCr (Avid DSHD)
- 4224 - YCbCr 4:2:2:4
- WAV - Wave audio 16/20/24/32 bit mono/stereo pairs/extensible
- AIFF - Apple audio 16/20/24/32 bit stereo pairs
- ARI - Arri raw 12 bit bayer
- DNG - CinemaDNG 12 bit bayer

- MOV - ProRes, h264, AVCi, MPEG-2, XDCam
- OMF - DV25, JPEG, Meridian, AVBV, CamCutter
- MXF-Sony - MPEG IMX, XDCamHD, XDCamEX 4:2:0/4:2:2
- MXF-EditCAM - DV25, DV50, DVHD, DNxHD
- MXF-Snell&Wilcox - MPEG-2, IMX
- MXF-Pinnacle - MPEG-2 SD/HD
- MXF-Harmonic - MPEG-2
- GXF SMPTE 360 - MPEG-2, DV25, DV50, DVHD
- HDR-YUV - YCbCr10, YCbCr16, DPX RGB, DNxHD
- JS - Jaleo 4:2:2 YCbCr
- CINE - Phantom 14 bit bayer
- IHSS - Iridas RGB
- ARC - IFX Piranha Audio/Video
- RTINDEX - Real time replay of VBR records
- LUMA RMY BMY - Uncompressed YCbCr
- RED BLU GRN - Uncompressed RGB
- Y U V - Mult file component YCbCr files
- DV/DIF - Raw DV files
- DVS - Uncompressed YCbCr and RGB files
- MPEG-1 - 4:2:0 up to 15 mbits/sec
- MPEG-2 - 4:2:0/4:2:2 SD/HD up to 80 mbits/sec
- MPEG-4 - 4:2:0 up to 50 mbits/sec
- M2TS - AVC-HD camera files
- HDV - MPEG-2 camera files
- VOB - Unencrypted
- h.264 - 4:2:0 SD/HD up to 80 mbits/sec
- VC-1 - WMV of raw wrapper
- WMV - Windows OS version only
- MP1/MP2/MP3 - MPEG audio
- BWF, 8SVX, AU, AVR, GSM, HCOM, IFF, PCM, SF, SMP, SND, VOC, WVE - 44.1/48/96 kHz 16 bit or greater

Support Formats - Import and export

- AVI - Standard codecs
- MOV - Standard codecs
- MXF - JPEG-2000 (Grass Valley Infinity)
- MXF - Grass Valley iCR
- MXF - DCI Unencrypted
- DPS - Compressed DPS files
- RTV - Uncompressed Video Toaster files

Comparison Table:

Model	LE	SE
SD & HD & HD-SDI I/O		
3G	X	X
Dual-Link HD	-	X
4:2:2	X	X
4:2:2:4, 4:4:4 (dual HD-SDI)	-	X
number of channels	1	1
Genlock input / loop through, 2xBNC	X	X
HD/SD analog component video out, 12 bit, 3 x BNC	1	1
Broadcast quality 10bit down-converter for video output	X	X
Broadcast quality 10bit up-converter for video output	X	X
AES/EBU digital audio outputs	2x	16x
XLR/BNC (2 channel preview analog audio)	2x	2x
Number of embedded audio channels (48kHz) with 16, 24, 32 bit	8x	16x
HDMI out	1.3a	1.4
19" breakout box	optional	optional
External Control Interface		
RS-422 input for external control	1x	1x
Video Raster		
SD: 720x576/608@50i 720x480/486/512@59.94i	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
1920x1080@50p/60p	X	X
2048x1080@23.98p, 24p 2048x1080@23.98sf, 24sf	-	X
2k Center Cut Playback via HD-SDI 2048x1556/2048x1536@24p/25p as Center Cut with 1920x1080	-	X
3D Support	-	X
Available Disk Space (TB)	4 (8 or more on request)	4 (8 or more on request)

These are the specifications of our basic models.

We can customize our ClipDisks to exactly match your needs.

Specifications are subject to change without notice.

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