

HDStationPlus/RGB

The HDStationPlus and HDStationRGB are a range of high definition disk recorders, with enormous flexibility, suitable for any high-end post production application. Whether you need to capture uncompressed HD data, process it, color grade it or output it to film, you will find the HDStationPlus or HDStationRGB supporting your workflow at every stage. Based on Windows® or Linux® operating systems, they incorporate intuitive software, enabling the operator to capture, process and play-out HDTV data either manually or automatically using batch programs.

I/O

- HD-SDI in- and output in YUV, YUVA or RGB 8/10 bit, optionally with SD-SDI
- Digital audio (AES/EBU), embedded audio and ancillary data, including timecode
- Support of all popular HD and SD formats
- Support of Vari Frame for record and play-out
- Simple integration into multi-media environments via high speed network

Format

- Support of all common HDTV standards, e.g. I080i, I080p and I080sF
- 24 fps material with 3:2 pulldown on play-out and pulldown removal on record
- Enhanced handling of 2K (up to 30 Hz) and 4K film-originated materials
- Simple integration of any future interlaced or progressive HDTV and film resolutions

Display

- Frame repetition, enabling flicker-free sequences for low frame rate material
- Video data can be viewed on desktop in a freely configurable video overlay window

Store

- Ultra-fast video access for real-time I/O of uncompressed material
- Different video formats on the same hard disk array

Work

- Enhanced clip management, autoconforming and EDL import
- Compatible with all major edit controllers and major broadcast automation protocols
- Support of popular compositing and editing applications with full integration
- Total data security (RAID 3 disk array) with near real-time recovery
- Sophisticated backup to inexpensive backup mediums, e.g. DTF-2, DAT, or AIT

Control

- Independent control via RS-422, e.g. for VTR emulation
- High speed networking from any Windows or Linux computer
- RS-422 master/slave operation
- Synchronization of two or more HDStationPlus/RGB with the multi-device option



Facts about HDStationPlus/RGB

System Specifications		
CPU	Intel® Pentium® IV Xeon™ 1.8 GHz or higher (second CPU optionally)	
Memory	512 MB up to 1 GB RAM	
Operating System	Windows NT, Windows 2000, Windows XP, Linux	
Network Interface Options	10/100 Base-T 1000 Base-T (Gigabit Ethernet) fiber-channel	
Video	Input	Output
HDStationPlus: HD Digital Serial I/O (8 and 10 bit) Single Link (SMPTE 292M) Optional HSDL	1 BNC plus 1 loop-through	1 BNC
HDStationRGB: HD Digital Serial I/O (8 and 10 bit) Dual Link (SMPTE 292M) Optional HSDL	2 BNC plus 2 loop-through	2 BNC
Analog HD		3 BNC for RGB/YUV, S
Reference	Input	Output
Analog Genlock	1 BNC	1 BNC for S/H 1 BNC vor V
Audio	Input	Output
Embedded Audio, 4 or 6 Digital Stereo Channels	1 BNC (via Video In)	1 BNC (via Video Out)
AES/EBU, 4 or 6 Digital Stereo Channels	4...6 XLR female	4...6 XLR male
Wordclock		1 BNC
Timecode	Input	Output
Longitudinal (LTC)	1 XLR female	1 XLR male
Vertical (VITC)	1 BNC (via Video In)	1 BNC (via Video Out)
Data and Control Interfaces	Input	Output
Serial RS-422	1 DB-9 female 2 DB-9 (auxiliary)	1 DB-9 female
GPI (1 DB-9)	2 TTL	2 TTL
Data Formats		
Video Formats	1035i 59.94/60 1080i 50/59.94/60 1080p 23.98/24/29.97/30 1080sF 23.98/24/29.97/30 720p 50/59.94/60 720p 24 2048x1556sF 14.98/15/18.75/24/30 4096x3112sF 5	
Frame-Repeat Formats for 24/30 Hz Material	1920x1080sF 60/72/96 2048x1556sF 60/72 other formats on request	
SDTV Formats	525i 59.94 (NTSC) (optionally) 625i 50 (PAL) (optionally)	
Color Modes	YC _c C _c 4:2:2 YC _c C _c A 4:2:2:4 RGB 4:4:4 RGBA 4:4:4:4	
Storage Format	Uncompressed YUV 4:2:2 / YUVA 4:2:2:4 / RGB 4:4:4 8/10 bit, user selectable	
Internal Processing	Color space conversion, frame repetition	
Software		
Drivers, command line, VGUI with HD real-time I/O and VTR control/emulation, partitioning, clip management, network video file system (nvfs), capture tool with EDL import		
Environment		
Physical Dimensions	height: 4U, width: 431 mm, depth: 640 mm 19" rackmount chassis	
AC Power	100 - 120 VAC, 220 - 240 VAC	
Features and specifications are subject to change without notice. Some of the features may be part of optional packages.		

Sold through

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