PVProHD-DC is a premium video scaler & processor with a true uncompressed 2K signal path optimized for Digital Cinema Alternative Content projection requirements.

PVProHD-DC is compatible with all major vendors’ digital cinema projectors which have a DVI or HDMI alternative content input channel.

PVProHD-DC provides a means for alternative content material to be displayed from professional and consumer content HD and SD sources such as DVD, satellite/cable receivers, Betacam, Digibeta, PC/media servers, videogames and hard disk recorders, BluRay plus most other sources.

Video image stability and motion performance are outstanding with per pixel motion adaptive de-interface for SD and HD, 3:2, 2:2 and non-standard cadence pull-down correction is supported with automatic adaption to non-standard and broken cadences. Video, film and video over film content is automatically processed.

Per pixel motion adaptive noise reduction and image enhancement techniques not only improve HD sources but can make SD sources near-HD quality for large screen projection. Video, film and video over film content are automatically processed.

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Inputs include 3G/HD/SD-SDI, HDMI with deep color support, DVI, 2x YPbPr/RGBS-component, 2x Composite, 2x S-Video/YC and a VGA RGBHV input.

Pan, Zoom and Tilt functions allow display of a particular area of interest. Color calibration is supported with color gains and cut-offs adjustable at 10-bit accuracy.

All modes include frame buffering for time-base synchronization. Automatic 24Hz or 48Hz output is also selectable for 24p or 24sp HD sources.

- Stunning HD performance with near-HD quality from SD
- Image Warping for stacked 3D dual-projector alignment
- Picture in Picture (PIP)
- Color and Gamma controls, RGB Gain and Cut-off calibration
- Automatic Audio Delay Correction for video processing delay
- Aspect Ratio Conversion
- Input supports up to 1080p & 2K @ 23.97p,24p,24psf,50i/p,59.94i/p,60i/p
- Output supports up to 1080p & 2K @ 23.97p, 50p, 59.94p, 60p
- 2D detail enhancement, sharpness control, real-time unsharp mask
- Post-production grade motion adaptive SD & HD de-interlacer with 3:2, 2:2 and non-standard/variable cadence detection, with video, film and video over film support
- Per-pixel motion adaptive temporal/film noise filtering HD & SD
- MPEG2 noise reduction for SD
- Genlock, Video I/O lock and I/O Track
- Digital and Analog inputs, DVI, HDMI deep color, 3G-SDI, Component, Composite, S-Video, VGA
- Geometry correction with 4-corner warping/pinning
- Low-latency mode for videogames
- Clean Input Switching
- Processing mode can be chosen per input per signal format for best picture quality and image enhancement for showing movies or television/off-air sources or for low latency mode for videogames. Audio delay is automatically corrected for video processing delays, via a versatile range of audio input and output connections.
- Connection to the digital cinema projector is via the alternative content (auxiliary) DVI input.
- Remote control over TCP/IP is supported with a PC-based remote control application or via API. This is ideal for PVProHD-DC units which have been installed into the secure projector cabinet housing the media block/server.
- Four user-programmable fast input select keys are provided together with “live feed” indication via the input status readout on the front LCD.
PremierViewProHD-DC
2K/HD & SD Post Production Grade Digital Cinema Alternative Content Processor

Inputs
1x HDMI with audio & deep color, HDCP compatible
1x DVI-D, HDCP compatible
1x 3G-SDI (HD/SD-SDI compatible)
2x Composite Video via BNC (NTSC/PAL/SECAM)
2x S-Video via MiniDIN (NTSC/PAL/SECAM)
2x Component YPbPr/YPbPrS/RGB/RGBS HD/SD via BNCs
1x SVGA via 15HDD
2x SPDIF coaxial digital audio via RCA
2x Toslink fiber optic audio
4x Stereo analog audio pair via 2 RCA's

Display Modes
Generic 2K, 1080p, 720p, WUXGA projectors, also pre-defined automatic output configuration enabled by menu selection of 320/220/210 or 110 series Sony projector type.

User Controls

Control/Ports
Front panel controls with character LCD display
4 user configurable presets
Programmable soft keys for faster input switching
Remote control via TCP/IP or RS232
PC remote control software included
USB port for firmware update
Warp Generator PC tool for image warping alignment, also compatible with third party 3D stacked projector auto-alignment systems

Signal Paths
10-bit ADCs for composite, S-Video, 12-bit ADCs for component video
10-bit HDMI, 8-bit DVI support, 10-bit 3G-SDI

Modes of Operation
(1) Full image processing and filtering, with or without I/O frame rate tracking, or I/O lock mode or Genlock (V-Lock) mode.
(2) Low latency with reduced processing, per-ip-per-signal selectable.

Power
Integral PSU, 100-240VAC 50/60Hz, power via IEC connector.
Rear-mounted power switch, front standby/on control key.
Premium-grade cooling fan for reliable installation in equipment racks

Mounting Information
Extremely rugged, professional 19” (2U) Rack case with carrying handles. Case color: Black.

Warranty
3-year return to base warranty covers parts and labor, shipping excl.

Part Code
PVProHD-DC

Key Features
HQView400DC
2x HDMI, 2xComponent, 1xSVideo, 1xVGA, 1x3G-SDI
2x10-based with direct input select keys
TCP/IP based web server or TCP/IP & RS232 based API
SD
HDMI, RS232
HDMI & SD up to 1080p50/60 and 1080p24 max
HDMI & SD up to 1080p50/60 and 1080p24 max
HDMI & SD up to 1080p50/60 and 1080p24 max

PVProHD-DC
2x HDMI, 2xComponent, 1xSVideo, 2xVGA, 1x3G-SDI
Front panel LCD, user definable input select keys with signal status indication
TCP/IP or RS232 based remote control application and API
HDMI, RS232, SD
HDMI, RS232, SD
HDMI, RS232, SD
HDMI, RS232, SD

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