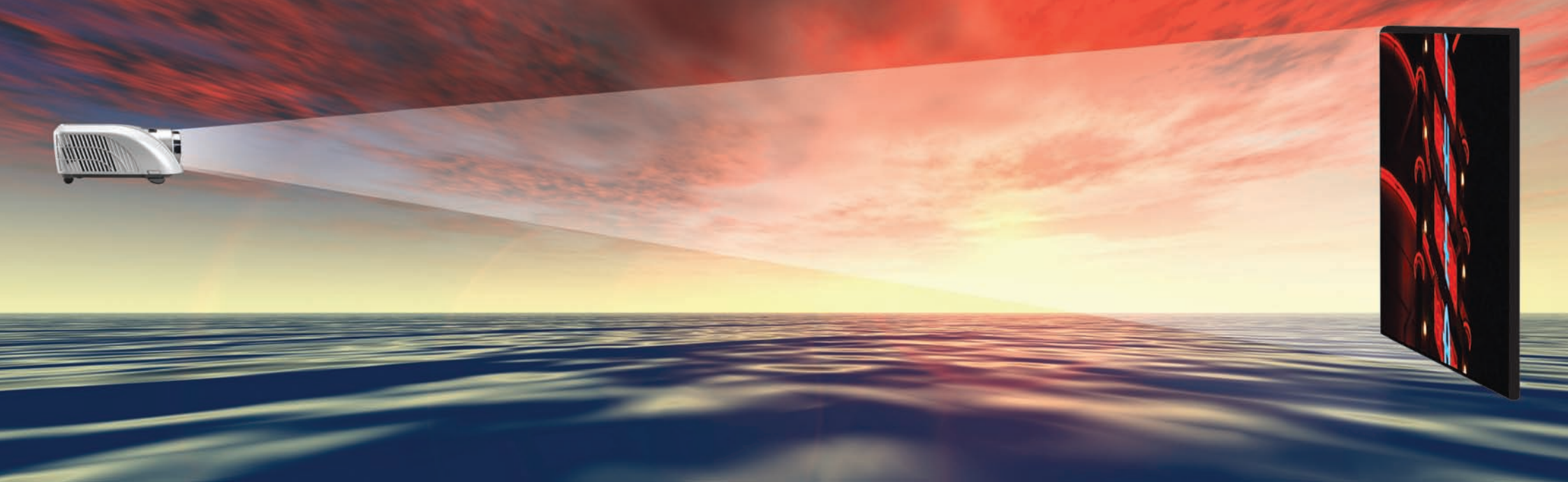


HD
ready



THEME | SCENE®

HD81 1080p



Film Screening Room Quality

With image quality normally reserved for film screening rooms the ThemeScene® HD81 is the ultimate in High Definition Home Cinema. The innovative two piece design delivers unmatched performance, sleek styling and whisper-quiet operation. The HD81 is the embodiment of exceptional form and function.

Ultimate High Definition

A native resolution of 1080p means over 2 million individual pixels at your command. That's more than twice as much detail as a 720p projector. Exceptional performance requires the exceptional control provided by the Gennum VXP™ studio grade processor. Capable of deinterlacing 1080i from today's highest quality broadcast and disc sources VXP™ processing ensures natural, fluid motion and exceptional image detail

Crystal Clarity

Masterly orchestration of DarkChip3™ technology from Texas Instrument and ThemeScene® Iris technology produces a stunning 10,000:1 contrast ratio. Deep, balanced colour is provided by an exceptional quality 7 segment, 6 speed colour wheel. This unprecedented combination ensures natural, real looking images with crystal clarity

Exceptional Connectivity

Unparalleled flexibility with 14 video inputs including 3 HDMI, 4 Component, and 2 SCART RGB

Auto Reactive Iris

Mimicking the operation of a human eye, the Auto Reactive Iris works to maximise image contrast - ensuring the deepest velvety blacks and brightest whites. The 15 step Iris can also be manually adjusted to suit programme material

Projection Technology

At the heart of the projector is the latest 1080p DarkChip3™, DLP® technology. This 10 bit signal processing architecture combines with the 7 segment, 6 speed colour wheel featuring NDG (Neutral Density Green) technology. NDG increases visual colour resolution in green, creating a higher bit-resolution image, dramatically reducing low level dithering artefacts. The result is pure images with unprecedented detail.

Video Processing Technology

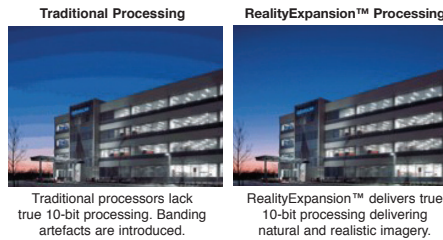
At the heart of the HD81 video processing is Gennum Visual Excellence Processing™ (VXP) technology. This provides revolutionary image quality improvements by employing the worlds most advanced image processing algorithms. It combines studio grade video enhancement and colour management with state-of-the-art video switching, scaling and format conversion. Staggering, never-seen-before colour management tools unleash the full potential of the HD81 giving you complete control to render the perfect image

Visual Excellence Processing™



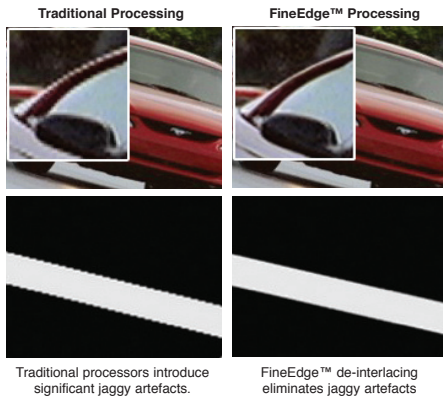
RealityExpansion™

Gennum VXP™ technology adopts a full 10-bit video processing architecture to deliver eye catching and realistic imagery. Traditional “banding artefacts” are eliminated and images appear smooth and natural.



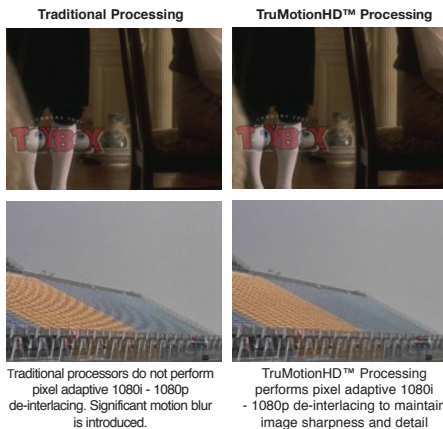
FineEdge™

FineEdge™ advanced directional interpolation algorithm eliminates “jaggy” artefacts found in traditional de-interlacing solutions. FineEdge™ processing maintains overall image sharpness and detail. FineEdge™ processing is applied to both SDTV and HDTV sources for optimal image quality.



TruMotionHD™

Gennum’s TruMotionHD™ de-interlacing algorithm is unique in its ability to perform pixel based motion adaptive de-interlacing with automatic 2:2 and 3:2pull-down on both HDTV and SDTV formats. Gennum’s TruMotionHD™ de-interlacing technology supports fully adaptive 1080i 1080p de-interlacing to ensure optimal image quality in demanding applications.



FidelityEngine™

FidelityEngine™ image enhancements for removal of unwanted noise and improved detail and uncompromised image quality. Unlike traditional processing algorithms, FidelityEngine™ processing can be applied to both SDTV and HDTV sources!



Video Enhancement

- True 10bit 4:4:4 broadcast-grade processing architecture
- Content adaptive, per-pixel processing of all video signals
- User customisable gamma curve with 10-bit gamma correction
- Dynamic Contrast Extension
- Sophisticated Edge Enhancement
- Content adaptive noise reduction and detail enhancement
- Robust inverse 2:2 and 3:2 processing of film-based inputs (including 1080i)
- Multi-directional edge adaptive processing
- Bad edit correction

Colour Management

- 6 colour (RGBCYM), 16 region saturation and tint control

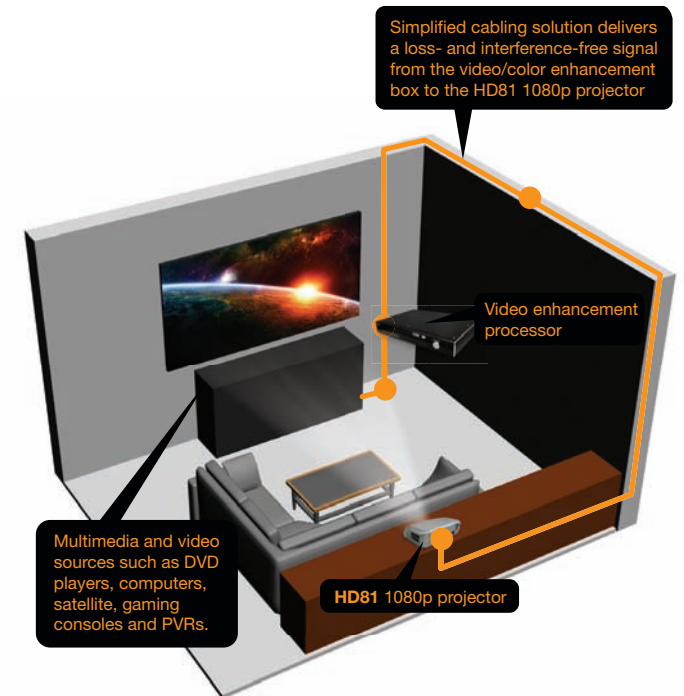
Installation is a breeze with the two piece design of the HD81. The controller box sits next to your video sources and up-scales all inputs to 1080p before transmitting the enhanced video signal, via a single HDMI cable, to the projector

ISF 3C Modes

ISF modes for calibrated day and night modes. Allows picture performance to match viewing conditions and optimise for any video source with dedicated picture-setting memories

RS232C & Discrete IR Remote Control

Ideal for Home Automation applications through external controllers and advanced IR remote controls. IR expansion module increases IR range and positioning flexibility



Technical Specifications

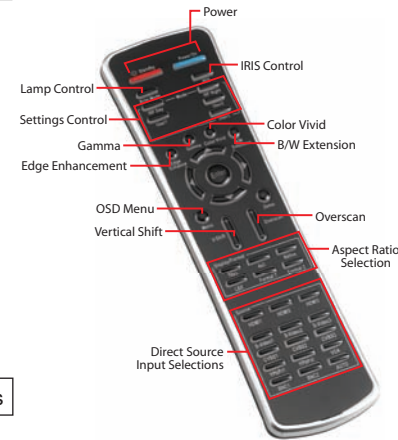
Native Resolution	1080p (1920 x 1080)
Contrast	10,000:1 (Full on Full off)
ANSI Lumens	1400
Technology	0.95" DarkChip3™ DLP®
Video Processing	Gennum VXP™
Compatibility	480i/p, 576i/p, 720p, 1080i/p
Noise (dB)	32/28 (Bright\Standard mode)
Throw ratio / Proj Dist.	1.85 - 2.22:1
Projection Distance	1.5 - 12.5m
Zoom lens	Manual 1.2x
Image size 16:9 (Diagonal)	0.76 - 7.62m
Keystone Correction	Vertical 5%
Image Offset	136%
Vertical Refresh Rate	Input: 24 to 85Hz Output: 48,50,60,72Hz
Lamp Type	300W
Lamp Life	2000/3000 (Bright\Standard mode)*
Size (W x L x H mm)	411 x 311 x 116 (433 x 285 x 50 Controller)
Weight (Kg)	4.5 (4.2 Controller)
Warranty	3 Years
EAN Number	5060059041152

Controller Specifications

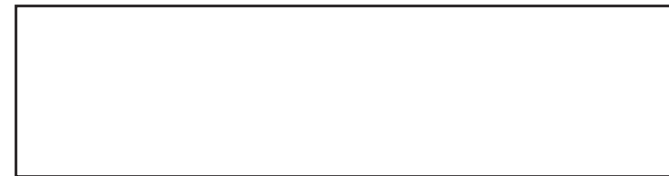
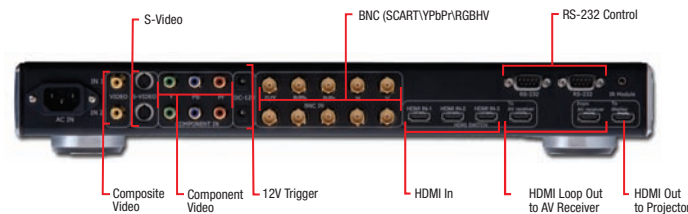
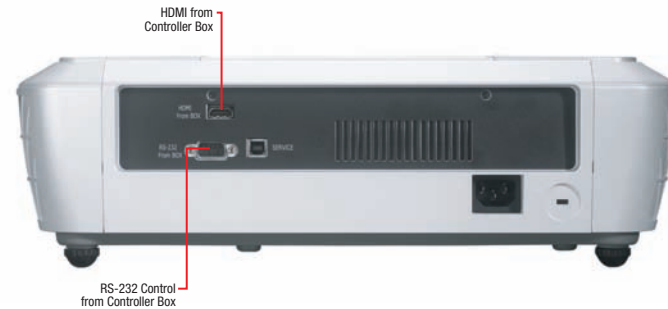
Image processing	Motion Adaptive 480i, 576i and 1080i deinterlacing, 10 bit image processing, 3 presets, 2 programmable display formats, Advanced noise reduction and sharpening
Colour management	User definable gamma, RGBCYM 6 colour, 16 region adjustment, 3 user defined modes, ISFccc colour settings
Installation\Control Features	ISFccc Discrete IR commands (On\Off, Sources, Formats, User Settings), External IR expansion module, RS232 Control
I/O Connectors	Inputs: HDMI x3, HDMI external expansion input x1, BNC Component (SCART, YPbPr, RGBHV) x2, RCA Component x2, S-video x3, Composite video x3, VGA (SCART, YPbPr, RGBHV) x1, RS232, 12 triggers x2, IR port extension x1

*Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions

Remote Control



I/O Connectors



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