

marantz®

Video Projector

VP-11S1



VP-11S1 Full HD 1080p DLP projector

After the continuing evolution and success of the VP-12 series, people were asking, "how much better can it possibly get?" Only after witnessing the new full HD VP-11s1 with real 1080p resolution this can be positively answered. Sublime new components make this video projector first in his class, with the Marantz VP-11s1 you will enjoy a truly superior big screen presentation. The latest Texas Instruments DLP Chip .95 1080p panel (1920 x 1080) has been incorporated. The new GF9351 video processing by Gennum with the four key technologies TruMotionHD™, FineEdge™, RealityExpansion™ and FidelityEngine™ offers astonishing excellent natural picture quality. Two HDMI (HDCP) and two component inputs, provide improved flexibility of this already extremely versatile DLP projector. If only the best is good enough, the VP-11s1 will continue to amaze you with incredibly faithful, accurate and uniform video fidelity. The new Marantz VP-11s1 will give the smoothest, most seamless and lifelike image ever delivered from a single chip solid state video projector.

NEW



because music matters

P R E M I U M S E R I E S

Features

- Latest Texas Instruments .95 1080p panel
- Gennum GF9351 10-bit professional video processing
- Custom made Optic with extended zoom function
- Wide vertical lens shift (up to 165% - down to 85%)
- Newly designed high speed, seven segment color wheel
- Extensive picture adjustment possibilities
- Noise reducing die-cast aluminum chassis
- Sealed optical path and double sealed cabinet structure

Benefits

- Displays SD and HD sources with a significantly higher light output and better contrast ratio at a native resolution of 1920 x 1080.
- Professional video processing technologies, delivering stunning video performance for all HD and SD video sources
- Reliable, highly accurate lens for the best edge to edge linearity and image quality.
- Increased installation flexibility without reducing the picture quality
- Highly accurate, faithful color reproduction and unparalleled color saturation
- Enables full customization in line with personal taste, environment and sources
- Thrilling home cinema enjoyment with close to none fan noise
- Zero light leakage and completely shielded for dust in the light engine

Technological glossary:

DLP Technology

Texas instruments DLP technology has caused a revolution in the home cinema world, which will continue with the introduction of the .95 1080p worlds first 1920 x 1080 resolution native HD dlp chip incorporated in the VP-11s1. The .95 1080p design tightens the space between the mirrors for even less pixelation than before. In addition this chipset operates at a higher speed, reducing dither noise in low light portions of the image. Accompanied with a 200W SHP lamp assembly a large improvement on brightness is realized. This brings the viewer unprecedented black levels, contrast ratio, and even better low level accuracy than before, making shadow details more visible and rivaling film in its dynamic range. The 16:9 aspect ratio of the panel has got a substantial advantage over the 4:3 panel especially for handling widescreen sources. Not only for the film originated materials, TV is also moving towards 16:9 aspect ratio with HDTV in the scope. In addition, a widescreen panel, is free from the 'Halo Effect' which caused by 4:3 DMD panel when it is projecting other than 4:3 images.

Gennum Video Processing

The crowning achievement on this VP-11s1 is a completely new video processing engine. This new processing chip was developed by Gennum (specifically for the VP-11s1) and is the most powerful video processor ever included in a video display device—consumer or professional. Gennum's GF9351 10-bit image processing system-on-a-chip (SoC) sets new benchmarks for video realism and processing flexibility. The GF9351 features Gennum's latest de-interlacing algorithms with dynamic edge detection and film mode processing for both HDTV and SDTV interlaced formats. Content adaptive noise reduction & detail enhancement algorithms remove unwanted noise while improving image detail for a cinematic HDTV experience. It offers true motion adaptive de-interlacing of all non-progressive sources – HD included – with inverse telecine (3:2 pull down), jagged edge reduction circuitry, 4:4:4 processing at a true 10 bit color depth (over 1 billion colors displayed) and a new level of flexibility for the installer including sizing and blanking controls. The VP-11s1 is equipped with a special version of the GF9351 bearing the Marantz logo. Gennum calls the set of technologies offered by the GF9351 VXP, for Visual eXcellence Processing™. Broadly conceived, VXP combines four technologies: TruMotionHD, FineEdge, PurePixel and FidelityEngine

TruMotionHD

De-interlacing technology that makes input signals progressive, converting them from non-interlaced to interlaced sequentially. It is compatible with High-Definition signals (720p, 1080i, 1080p) as well, and it preserves the high-resolution effect after progressive conversion. TruMotionHD also reduces chroma upsampling error caused by MPEG decoders of DVD players.

FineEdge™

FineEdge™ refers to edge enhancement (correction and emphasis) and adaptive processing. This processing smoothes image edges extremely well, especially lines running diagonally. In combination with the TruMotionHD™ the picture will be of an extraordinary sharpness and stability.

RealityExpansion™

The GF9351 uses 10-bit processing for all signal processing, a technique called RealityExpansion™. 10-bit processing produces exceptionally better gradation than typical 8-bit processing, raising the number of colors to a higher order of magnitude from 16.77 million to more than a billion. With the increase number of possible colors the reproduce pictures appears much more natural.

FidelityEngine™

Detail emphasis and noise reduction are provided by what is called the FidelityEngine™. This technology cuts noise without reducing the sense of picture resolution. For low-resolution images that are not sharp, the FidelityEngine™ adds emphasis to details, producing clarity.

New customized optics

Furthermore, a new lens was added to the already legendary and award winning lineup of optics from Konica-Minolta. This new lens is a middle throw distance lens in compared to the previous available lenses. The VP-11s1 is featured with a custom ground and 14-element lens, specially designed with two elementary things in mind: contrast and image quality. All lenses are finished by multi-coating treatment, eliminating any excessive glare. The fully sealed optics is assembled in a clean room, ensuring consistently high-quality images unaffected by dust throughout a long period of use. The selectable iris is built into the lens of this optical engine.

Large color wheel

As in the previous generation, the VP-11s1 also utilizes the seven segment color wheel. This wheel is used for less dithering of low level signals and keeping colors accurate at low signal levels. It's built with two times RGB filters and one additional dark green filter. This will improve image quality especially in dark scenes and the overall color accuracy for natural reproduction of images.

High Definition Multimedia Interface (HDMI)

HDMI assures that pristine high-definition images retain the highest video quality from the source all the way to the display. It employs the same copy protection technology as DVI and supports HDCP, only exchanging signals with units certified compatible. The outlets of HDMI terminals are slightly smaller than those of DVI terminals. The HDMI is backward-compatible with DVI. Marantz gives the consumer full digitalized interconnection from source to display. The future is now.

Sealed optical path and silent construction

The chassis of the VP-11s1 is made of aluminum casting to prevent electro-magnetic interferences and to provide a good grounding point for the electric circuitry. The path of the air flow is carefully engineered to suppress the fan noise. This solid construction also works as a secondary sealing of the light path to prevent any light leakage. Noise cancellation elements such as the cabinet structure as well as sealing the color wheel motor make the VP-11s1 extremely quiet.

Extensive Controls for Flexible Installation

The VP-11s1 has a control section that was designed specifically with the high-end custom installer in mind. Not only are there discrete codes for every function of the projector, there are numerous ways to control it as well. In addition to the IR from either the front or rear panel, the projector can also be hardwired for IR and even RS232C control. 2 DC triggers allow a screen to go up/down automatically by turning on/of the VP-11s1 and two panels to drop down on the sides of a 16:9 screen, whenever NORMAL is selected on the remote for watching 4:3 content.

Mounting

One of the most critical aspects to ensure the best results from the VP-11s1 is to mount it properly. To achieve a perfectly proportioned picture the exact throw distance needs to be determined. The FOCUS pattern function allows you to focus the image on the screen and position the projector properly by use of the lens shift, zoom control and throw distance. If mounted above or below the screen, the then you will have to tilt up or down in order to have the image line up to the screen, in which case keystone correction will be needed.

Bypacked accessories

- User manual
- Power cable
- Remote control
- Batteries
- Marantz BUS adapter cable

RC-11VPS1



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FEATURES		ELECTRONICS & SOFTWARE		SPECIFICATIONS	
OPTICS		Video Processor		DMD Type	1080p DLP® Chip
Projection Technology	DLP	Video Processing	10-bit	Panel Size	0.95" DLP® Chip
Aspect Ratio	16:9	Panel drive processing	12-bit	Aspect Ratio	16:9
Native Resolution	1920x1080	ORCA Filter	-	Mirror tilt angle	12°
Supported PC Resolution VGA / SVGA / XGA / WXGA / SXGA / UXGA	•/•/•/•/•/•	Natural Density Filter		• Number of Pixels	1920 x 1080
Supported Video Formats: NTSC	•/•	Progressive Scan		• Active area	1920 x 1080
3.58, 4.43 / PAL N, M, B/G / SECAM	•/•	Deinterlacing	VXP	• Active area Aspect	16:9
Supported HD Formats		3-2 Pull Down		• Number of Panels	1
Lens manufacturer	Konika Minolta	Gamma Processing	12-bit	Contrast Ratio	6500:1
Focus adjustment: Manual / motorized	•/-	Enhanced video adjustment		• Brightness: Normal / Economy	700 / 600 ANSI lm
Zoom adjust: manual / motorized	•/-	Electronic Keystone Correction: Horizontal / Vertical	-/•	Standard lens	f: 30.7 - 44.5 mm / F: 3.0
Vertical Lens Shift: Manual / motorized	•/-	Picture Modes	3	Zoom Ratio	1.45
Horizontal lens shift: Manual / motorized	-/-	Picture Memories	18	Focal Length	30.7 - 44.5 mm
Feet Adjustment	15 - 61.8 mm	Picture size memory		• Projection Size	70 inch-250inch
Optics Sealing	•	Aspect Full, Normal, Through, Zoom, Modes	V-Stretch	Projection Distance	1.9 m - 11.8 m
Sealed Cabinet Structure: Single / dual	-/•	• Colour Temperatures	5	Operating Temperature	5°-35°C
Sealed Lamp Structure	•	• Black Level Selection		Noise Level	< 29dB
Colour wheel	7 Segment	• Lamp Mode (Normal/ Economy)	200 / 160 Watts	• Operating Humidity	30%-85%
Noise Cancellation	•	• Automatic Input Detection (RGB/ Component)		Lamp type	SHP 200 Watts (DC)
Active fan control	•	• Discrete Remote Control Coding		Lamp power (Normal / Economy) in Watt	t.b.f.
Optimised Dust Shielding	•	• Colour temperature sensor (CT-12)	-	Average Lamp Life (in hours)	2000
Diecast chassis	•				
Light Leakage Reduction	•				
		INPUTS/OUTPUTS		GENERAL	
		Composite Video In	1	Colour: yellow/black /white	-/-/•
		S-Video In	1	Aluminum diecast chassis	•
		Component In (Y, Cb/Pb, Cr/Pr - RCA)	2	Remote Control	RC-11VPS1
		Component/RGBHv in (BNC)	-/•	Power Consumption	350 Watts
		RGB/HD In (D.Sub 15-pin)	1	Standby Consumption	<1 Watt
		RGB Out (D.Sub 15-pin)	-	Maximum Dimensions (W x D x H)	405 x 481 x 149-158 mm
		DVi-D In	-	Weight	13 kg
		HDMI in	2		
		RS232C (control / update)	•/•		
		DC Trigger Out	2		
		Remote Control In/Out	•		

Design and specifications are subject to change by Marantz without notice.

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