

DLP™ HIGH DEFINITION PROJECTOR



After the continuing evolution and success of the VP-12 series, people were asking, “how much better can it possibly get?” Upon witnessing the VP-12S4, you will wonder how that could even be asked. The VP-12S4 will make your jaw drop with the smoothest, most seamless and lifelike image ever delivered from a single chip solid state video projector. First, we start with the already proven platform of Texas Instruments’ HD2+ DLP® chipset. This year it has been improved by using their DarkChip 3 design, which tightens the space between the mirrors for even less pixelization than before. In addition this chipset operates at a higher speed, reducing dither noise in low light portions of the image. As in the previous generation, it also utilizes the seven segment color wheel which also aids in the reduction of temporal dithering. Then we add a new lens to the already legendary and award winning lineup of optics from Konica-Minolta. This new lens is a middle throw distance lens and fits comfortably between the original standard lens (now called the Short Throw) and the Long Throw lens. To improve flexibility we increased the amount of vertical lens shift for all three lenses to allow mounting as much as fifty percent of the screen height above the top of the viewable area. But the crowning achievement is a completely new video processing engine. This new processing chip was developed by Gennum® (specifically for the VP-12S4) and is the most powerful video processor ever included in a video display device—consumer or professional. It offers true motion adaptive deinterlacing 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. In addition, this processor, being fully programmable, can be changed as needs arise. For example, we have already issued an upgrade with more finely tuned scaling coefficients, improving an already amazing processor to a whole new level. This level of smoothness and film-like realism has been previously reserved for professional 3-chip type devices and of course, film. But reading about it here won’t do it nearly as much justice as experiencing it for yourself at your nearest authorized dealer.

- Texas Instruments DLP™ Technology
- High Definition 720p DarkChip3 DMD™ Chipset
- New High-Fidelity Video Processing Engine by GENNUM®
- GENNUM® GF9350 VXP™ Technology is Composed by 4 Major Functions,
 - TruMotionHD™: Deinterlacing Technology for Full HD Signal
 - FineEdge™: Adaptive Edge Correction/Enhancement Technology
 - Reality Expansion™: Advanced Color/Resolution Reproduction Technology by Full 10-Bit Processing and 4:4:4 Sampling
 - FidelityEngine™: Noise Reduction and Image Enhancement Technology
- Newly Developed Custom Optics by Konica-Minolta with Three Lens Options
- Larger Vertical Lens Shift to a Max of 50% of Screen Height Above the Screen
- Exclusive O.R.C.A.™ Color Corrected Light Source
- >4500:1 Contrast Ratio
- >700 ANSI Lumens Brightness
- Brightness Uniformity: 90%
- 2 HDMI Inputs
- Adjustable Iris
- Sealed Optical Path
- No Light Leakage (Double Sealed Cabinet Structure)
- Extremely Quiet (Noise Canceling Construction, Sealed Color Wheel Motor)
- Vertical Keystone Correction
- NTSC, PAL, SECAM, and ATSC Compatible
- VGA to SXGA PC Signal Compatible
- 5 Gamma Selections
- Auto Color Temperature Calibration System
- 18 Picture Memories
- Black Level Selection
- 2 Multi-scan Component Inputs
- RS232C Terminal for System Control
- 2 DC Triggers Outputs
- D-BUS Remote Connection (3.5mm Mini-jack)
- Illuminated I/O Terminal Panel
- Backlit Device Remote
- Pearl Finish available in Long, Medium and Short Throw Lens Configurations
- Black Finish available in Medium Throw Configuration Only

marantz®
LIFE AMPLIFIED™



FEATURED OPTICS

Display Device	DMD (TI DLP™ Technology) .8 720p with DarkChip3™ x1-chip
Panel Size	0.81"
Aspect Ratio	16:9
Resolution	1280x720
Brightness	600 / 700 ANSI Lumen (at F5.0 / F3.0)
Brightness Uniformity	90%
Contrast Ratio	4500 : 1 (at F5.0)
Projection Size	40"-250"(VP-12S4S/VP-12S4L) 60"-250"(VP-12S4)
Throw Distance 100"	128 ⁷ / ₈ " - 149 ⁷ / ₁₆ " (VP-12S4S) 150 ⁷ / ₈ " - 219 ¹⁵ / ₁₆ " (VP-12S4) 199 ⁷ / ₈ " - 270 ¹⁵ / ₁₆ " (VP-12S4L)
TV System	NTSC, PAL, SECAM
Computer Signal Capability	VGA, SVGA, XGA, SXGA
DTV / HDTV Capability	480i, 480p, 720p, 1080i
Video Processor	GENNUM VXP™ Processing
3:2 Pull Down	•
Optics	Custom by Konica-Minolta
O.R.C.A Filter	•
Life Lamp	2000 Hours (Average)
Picture Memories	• (18)
Keystone Correction	• (V)
Fine Picture Menu	•
Picture Modes	• (12)
Color Temperatures	• (5 Steps)
Black Level Selection	•
Optical Zoom	• (x1.2:VP-12S4S) • (x1.45: VP-12S4M) • (x1.35: VP-12S4L)
Lens Shift	• (V: +120% / -100%) VP-12S4S • (V: +150% / -100%) VP-12S4M • (V: +170% / -100%) VP-12S4L
Dust-Free Sealed Optics	•
Noise Cancel Structure	•
Chassis	Aluminum Diecast
Illuminated I/O Terminal Panel	•
Auto Color Temp. Calibration	•
FCC	Class B

IN/OUTPUTS

VIDEO	
Composite Video In	1
S-Video In	1
Component In	2 (RCA)
RGB/HD In	1 (D-Sub 15-Pin)
Digital Video In	2 (HDMI)
OTHERS	
D-Bus Remote (RC-5) In/Out	1 / 1 (3.5 mm mini jacks)
External Control (RS232C)	•
DC Trigger Out	2 (3.5 mm mini jacks)

GENERAL

Color	Pearl/Black
Remote Control	Backlit Device Remote RC-12VPS4
Power Requirements	AC 100-120 V/ 220-240 V, 50/60Hz
Power Consumption	< 320 W
Dimensions W x H x D (Inches)	15 ¹⁵ / ₁₆ " X 18 ³ / ₁₆ " X 5 ³ / ₁₆ "
Weight (lbs.)	28.6



Custom Optical Engine from Konica-Minolta



GENNUM® GF9350 VXP™ Chip

*All specifications, dimensions and weights are subject to change without notice. D&M Holdings, Marantz, Marantz America, Inc. or any of its subsidiaries will not assume any liability for errors in this spec sheet which may result in consequential errors being made by retail dealers, designers, custom installers, cabinet makers or end users, etc based upon information contained within this document.