

marantz®

VP-12S4 DLP™ High Definition Digital Projector



A Quantum Leap in Projector Performance

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. This level of smoothness and filmlike 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 Throw Ratios
- Larger Vertical Lens Shift to a Max of 80% 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



VP-12S4

FEATURES

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 1/8" - 149 1/8" (VP-12S4S)
150 1/8" - 219 1/8" (VP-12S4)
199 1/8" - 270 1/8" (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 • (Theater, Standard, Dynamic and User 1 - 9)

Color Temperatures • (5 Steps)

Black Level Selection •
Optical Zoom • (x1.2:VP-12S4S)
• (x1.45: VP-12S3L)
• (x1.35: VP-12S4L)

Lens Shift • (V: +120% / -100%)
• (V: +150% / -100%)
• (V: +170% / -100%)

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)

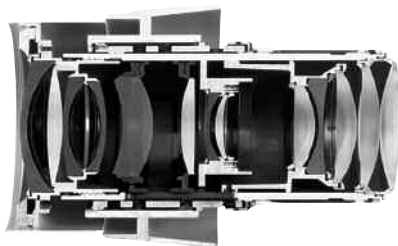
GENERAL

Color Pearl / Light Gray
Remote Control RC-12VPS4
Power Requirement AC 100-120 V / 220-240 V, 50/60Hz
Power Consumption < 320 W
Dimensions W x H x D (Inches) 15 1/8" X 18 1/8" X 5 1/8"
Weight (lbs.) 28.6

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