Be *there*

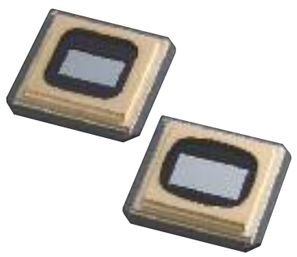
Thanks to our close co-operation with Gennum and Texas Instruments, Marantz was the first company to fully utilise TI's super-advanced 2 million pixel DLP® Chip. So now it is now possible to fully immerse yourself in a true high definition DLP® video experience: an amazing 1920 x 1080 pixels. This represents a major engineering breakthrough, one that can be immediately appreciated once you see the breathtaking picture.

VP15S1

PREMIUM HD DLP VIDEO PROJECTOR

Now a wider audience has access to excellent quality video projection, thanks to the introduction of the new VP15S1. As a full HD 1920x1080 DLP projector, it fulfils all the demands of the new generation HD media such as HD-DVD, Blu-ray Disc™, and HD satellite TV. It also features the finest video technology from Gennum and the perfect parameters from Marantz. The result? Even non-HD sources such as DVD or TV look like high definition heaven. In addition, the high light output and the flexibility for installation make it a universal projector with an outstanding performance.

- True HD DLP® video projector with 1920 x 1080 resolution
- Excellent 1080p performance with over 2 million pixels
- Two HDMI 1.3 inputs with 12-bit Deep Color™ support for new HD media such as Blu-ray Disc™ and HD DVD
- New dual cat eye iris system in the light engine and in the lens unit selectable
- Native contrast ratio of over 10000:1 without any dynamic contrast circuitry
- Newly developed 6-segment colour wheel for higher light output up to 1000 ANSI
- Excellent picture quality even in less than completely dark environments
- 10-bit Gennum Video Excellence Processing (VXP™) GF9351 in 4:4:4 mode
- TruMotionHD and FineEdge for the best progressive images
- Reality Expansion for best natural coloured pictures with over 1 billion gradation
- Fidelity Engine for details and clarity
- CEC (Chroma Error Compensation) technology for sharp edges
- 200 W DC SHP lamp with 2000 hours lamp life
- Custom made reference setting optics from Konica Minolta
- Wide lens shift range Up 165%, Down 85%
- Sealed optical path and double sealed cabinet structure
- Extensive picture adjustment possibility
- RS232C port, remote bus and trigger for system integration
- Remote control with backlit



HD DLP® Chip

High-Definition video sources are becoming more familiar day by day, thanks to the spread of HD broadcasts and the introduction of next-generation Blu-ray and HD-DVD optical media. To show these sources at their finest, the VP15S1 is equipped with a true HD DLP® chip, newly developed by Texas Instruments.
But to show the full potential of the HD DLP® chip the image processing needed upgrading, that's why we changed the core component in the video circuitry to the latest version of the Gennum processor: the Gennum GF9351. Also, with advanced engineering, we have significantly improved the four aspects of VXP™ technology. The result: high-precision image processing to unleash the power of this tremendously more expressive true HD chip.

Outstanding lens performance and high native contrast

The VP15S1 uses custom Konica Minolta optics with high-performance AD (anomalous dispersion) and aspherical lenses, and to prevent excessive glare, all lenses are finished by a multi-coating treatment. You can switch the electronically actuated iris in the projection lens between modes to emphasise either contrast (at F6.0) or brightness (at F3.0). This helps create a high native contrast of 6500:1 at F6.0, so that even in scenes that have mixed bright and dark areas, you experience exceptional, dramatic contrast.

VP-11S1

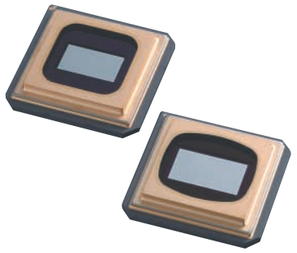
HIGHLY COMMENDED 2007 SOUND IMAGE AWARDS

VP-11S1

HD DLP VIDEO PROJECTOR

For the first time ever you can immerse yourself in the full High Definition DLP® video experience of 1920x1080 pixels (also know as 1080p or full HD) - thanks to the engineering breakthrough that has made full use of TI's super-advanced DLP® Chip.
This video projector is quite simply the first and foremost in its class. At its heart is the DLP ® (Digital Light Processing) technology, which uses twice the number of microscopic mirrors (2 million) as the VP-12S4. The result? Visible pixel structure is almost eliminated, creating a truly harmonious flowing picture. The VP-11S1 also offers a stunning contrast ratio and comes with the new VXP™ video processing GF9351 by Gennum to create astonishing excellent natural picture quality. In addition, the wide connectivity range makes it an extremely versatile DLP® projector. The new Marantz VP-11S1 is not only a first of its kind; it takes the high definition video experience into a whole new level of sublime pleasure.

- True HD DLP® projector with 1920 x 1080 resolution
- State of the art 1080p performance with over 2 million pixels
- New 10-bit Gennum Video Excellence Processing (VXP TM) GF9351
- TruMotionHD and FineEdge for the best progressive images
- RealityExpansion for best natural coloured pictures with over 1 billion gradation
- FidelityEngine for details and clarity
- CEC (Chroma Error Compensation) technology for sharp edges
- Native contrast ratio of over 6500:1 without any dynamic contrast circuitry
- Selectable IRIS (full open and cat eye) by remote
- 200 Watts DC SHP lamp with 2000 hours lamp life
- Custom made reference setting optics from Minolta-Konica
- Wide lens shift range Up 165%, Down 85%
- Newly developed 7-segment colour wheel with neutral density (ND) filter
- Sealed optical path and double sealed cabinet structure
- Two High Definition Multimedia Interface (HDMI) inputs
- Two HD ready analogue component inputs
- Extensive picture adjustment possibility
- RS-232C port, remote bus and trigger for system integration
- New remote control with backlight



HD DLP® Chip

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But to show the full potential of the HD DLP® chip the image processing needed upgrading, that's why we changed the core component in the video circuitry to the latest version of the Gennum processor: the Gennum GF9351. Also, with advanced engineering, we have significantly improved the four aspects of VXP ™ technology. The result: high-precision image processing to unleash the power of this tremendously more expressive true HD chip

Seven-segment colour wheel with a new ND filter

To minimise colour separation, we have added a new fluid dynamic bearing motor that spins the large, 98 mm colour wheel at 6x (10,800 rpm). And to counteract video noise, we have incorporated a seven-segment filter, comprising two R (red) – G (green) – B (blue) segments and a G (green) segment with ND (neutral density) filter. This G+ND filter segment improves the dark-green spectrum and enables extremely accurate reproduction of green hues while significantly reducing components perceived as video noise

Outstanding lens performance and high native contrast

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The Marantz VP-12S3 set new standards of high-end DLP video projection. Its successor, the new VP-12S4 is simply jaw-dropping. We began with the 'Dark Chip 3' version of Texas Instruments' DLP processor augmented by a seven-segment colour wheel for minimal pixelisation and better dither and video noise reduction. We added a new lens to the already legendary array of Konica-Minolta optics. And we improved flexibility by increasing vertical lens shift adjustments to allow more flexible mounting. But the crowning achievement is a completely new video processing engine co-developed by Marantz and Gennum. It is the most powerful video processor ever included in a consumer or professional video display device and offers true motion adaptive de-interlacing of all non-progressive sources – HD included – with inverse telecine (3:2 pull-down), jagged edge reduction circuitry, true 10-bit colour depth (over 1 billion colours!) and a new level of installer flexibility. Until you've seen the VP-12S4's smoothness and film-like realism, you simply aren't equipped to select a video projector.

VP-12S4

VP-12S4

HIGH-END 16:9 DLP PROJECTOR

- Single chip DMD video projector (HD2+)
- State of the art Marantz co-designed 10-bit Gennum video processor
- High contrast ratio of over 3800:1
- Selectable IRIS
- 200 W low flicker DC SHP lamp
- Custom made reference setting optics
- Wide lens shift range
- Marantz designed ORCA filter
- New standard lens
- Sealed optical path and double sealed cabinet structure
- Two High Definition Multimedia Interface (HDMI) inputs
- Extensive picture adjustment possibility

VP-4001

VP-4001

16:9 DLP PROJECTOR

Marantz performance in an entirely new price category! – with the VP-4001 DLP Projector. Benefiting from many of the technologies found in more expensive models, the VP-4001 is the ideal display device for your Home Theatre room

- 6500: 1 Contrast Ratio
- 1200 ANSI Lumen Brightness
- 5x Speed 6 Segment Colour
- 3 Position Selectable Iris
- Electronic Vertical Image Shift
- 10-bit Video Processing
- 6 Axis Colour management System
- HDMI Input

Home Theatre Projector

VP1551

FEATURES	
Projection technology	DLP®
Aspect ratio	16:9
Native resolution	1920 x 1080
Supported PC resolution VGA / SVGA / XGA / WXGA / SXGA / UXGA	 • / • / • / • / • / •
Supported video formats: NTSC 3.58, 4.43 / PAL N, M, B/G / SECAM	 • / • / •
Supported HD formats	</= 1080p
Deep Color™ support	•
Lens manufacturer	Konica Minolta
Cat Eye Iris in lens system selectable	•
Focus adjustment: manual / motorised	• / -
Zoom adjust: manual / motorised	• / -
Vertical lens Shift: manual / motorised	• / -
Feet adjustment	15 - 61.8 mm
Optics sealing	•
Sealed cabinet structure: Single / dual	- / •
Sealed lamp structure	•
Cat Eye Iris in light system selectable	•
Colour wheel	6 Segment
Noise cancellation	•
Active fan control	•
Optimised Dust Shielding	•
Diecast chassis	•
Light leakage reduction	•

ELECTRONICS & SOFTWARE	
Video processor	Gennum
Video processing	10-bit
Panel drive processing	12-bit
Natural Density Filter	-
Progressive Scan	•
Deinterlacing	VXP™
3-2 Pull Down	•
Gamma processing	12-bit
Enhanced video adjustment	•
Electronic Keystone Correction:	
Horizontal / Vertical	- / •
Picture modes	3
Picture memories	18
Picture size memory	•
Aspect modes	Full, Normal, Through, Zoom, V-Stretch
Colour temperatures	5
Black Level Selection	•
Lamp mode (Normal / Economy)	200 / 168 W
Automatic Input Detection (RGB / Component)	•
Discrete Remote Control Coding	•

INPUTS / OUTPUTS	
Composite Video In	1
S-Video In	1
Component In (Y, Cb/Pb, Cr/Pr - RCA)	2
RGB/HD In (D.Sub 15-pin)	1
HDMI V1.3 (12-bit)	2
RS232C (control / update)	• / •
DC Trigger Out	2
Remote control In / Out (3.5 mm mini jack)	•

SPECIFICATIONS	
DLP® Chip	1080p DLP® Chip
Panel size	0.95 inch
Mirror tilt angle	12°
Contrast ratio	10000:1
Brightness: Normal / Economy	1000 / 850 ANSI lm
Standard lens	f: 30.7 - 44.5 mm / F: 3.0
Zoom ratio	1.45
Focal length	30.7 - 44.5 mm
Projection size	70 inch - 250 inch
Projection distance	2.2 m - 11.8 m
Operating temperature	5° - 35°C
Noise level	< 29 dB
Operating humidity	30% - 85%
Lamp type	SHP 200 W (DC)
Lamp power (Normal / Economy) in Watts	200 / 168 W
Average lamp life (in hours)	2000

GENERAL	
Colour: Yellow / Black / White	- / • / -
Aluminium diecast chassis	•
Remote control	RC11VPS1
Power consumption	350 W
Standby consumption	<0.5 W
Maximum dimensions (w x d x h)	405 x 489.5 x 149-158 mm
Weight	13 kg

Home Theatre Projectors

	VP-11S1	VP-12S4	VP-4001
FEATURES			
OPTICS			
Projection Technology	DLP®	DLP®	DLP®
Aspect Ratio	16:9	16:9	16:9
Native Resolution	1920 x 1080	1280 x 720	1280 x 768
Supported PC Resolution			
VGA / SVGA / XGA / WXGA / SXGA / UXGA	•/•/•/•/•/•	•/•/•/•/•/•	•/•/•/-/-/-
Supported Video Formats:			
NTSC 3.58, 4.43 / PAL N, M, B/G / SECAM	•/•/•	•/•/•	•/•/•
Supported HD Formats	</= 1080p	</= 1080i	</= 1080i
Lens manufacturer	Konika Minolta	Konika Minolta	Marantz Custom
Focus adjustment: Manual / Motorised	•/-	•/-	•/-
Zoom adjust: Manual / Motorised	•/-	•/-	•/-
Vertical Lens Shift: Manual / Motorised	•/-	•/-	-/• (software)
Feet Adjustment	15 - 61.8 mm	15 - 61.8 mm	•
Optics Sealing	•	•	N/A
Sealed Cabinet Structure: Single / Dual	-/•	-/•	N/A
Sealed Lamp Structure	•	•	•
Colour wheel	7 Segment	7 Segment	6 Segment
Noise Cancellation	•	•	N/A
Active fan control	•	•	N/A
Optimised Dust Shielding	•	•	N/A
Diecast chassis	•	•	-
Light Leakage Reduction	•	•	N/A
ELECTRONICS & SOFTWARE			
Video Processor	Gennum	Gennum	Texas Instruments
Video Processing	10-bit	10-bit	10-bit
Panel drive processing	12-bit	10-bit	N/A
Neutral Density Filter	•	•	N/A
Progressive Scan	•	•	•
Deinterlacing	VXP™	VXP™	•
3-2 Pull Down	•	•	•
Gamma Processing	12-bit	10-bit	12-bit
Enhanced video adjustment	•	•	•
Electronic Keystone Correction:			
Horizontal / Vertical	-/•	-/•	-/•
Picture Modes	3	3	6
Picture Memories	18	18	30
Picture size memory	•	•	•
Aspect Modes	Full, Normal, Through, Zoom, V-Stretch	Full, Normal, Through, Zoom, V-Stretch	Full, Normal, Through
Colour Temperatures	5	5	6
Black Level Selection	•	•	• (for HDM1)
Lamp Mode (Normal / Economy)	200 / 168 W	200 / 160 W	N/A
Automatic Input Detection			
(RGB / Component)	•	•	N/A
Discrete Remote Control Coding	•	•	•
INPUTS / OUTPUTS			
Composite Video In	1	1	1
S-Video In	1	1	1
Component In (Y, Cb/Pb, Cr/Pr - RCA)	2	2	2
RGB / HD In (D.Sub 15-pin)	1	1	1
HDMI In	2	2	1
RS-232C (Control / Update)	•/•	•/•	•/-
DC Trigger Out	2	2	1
Remote Control In / Out	•	•	-
SPECIFICATIONS			
DMD Type	1080p DLP® Chip	HD2+	720p DLP
Panel Size	0.95"	0.81"	0.65"
Aspect Ratio	16:9	16:9	16:9
Mirror tilt angle	12 degree	12 degree	•
Number of Pixels	1920 x 1080	1280 x 720	1280 x 768
Active area	1920 x 1080	1280 x 720	1280 x 768
Active area Aspect	16:9	16:9	16:9 (16:10)
Number of Panels	1	1	1
Contrast Ratio	6500:1	3800:1	6500:1
Brightness: Normal / Economy	700 / 600 ANSI lm	700 / 600 ANSI lm	1200 ANSI lm
Lamp	SHP 200 W (DC)	SHP 200 W (DC)	275 W (DC)
Standard lens	f: 30.7 - 44.5 mm / F: 3.0	f: 30.7 - 44.5 mm / F: 3.0	N/A
Zoom Ratio	1,45	N/A	1.15
Focal Length	30.7 - 44.5 mm	N/A	N/A
Projection Size	70"- 250"	40"- 250"	40"- 200"
Projection Distance	2.2 m - 11.8 m	1.5 m - 14.0 m	3.0 m - 3.45 m (100")
Operating Temperature	5°-35°C	5°-35°C	N/A
Noise Level	< 29 dB	< 30 dB	30 dB
Operating Humidity	30%-85%	N/A	N/A
Lamp type	SHP 200 W (DC)	SHP 200 W (DC)	275 W (DC)
Lamp power (Normal / Economy) in Watt	200 / 168 W	200 W	275 W
Average lamp life (in hours)	2000	2000	2000
GENERAL			
Colour: Silver / Off-White	-/•	-/•	•/-
Aluminum diecast chassis	•	•	-
Remote Control	RC-11VPS1	RC-12VPS3	RC-001VP
Power Consumption	350 W	N/A	355 W
Standby Consumption	<0.5 W	N/A	N/A
Maximum Dimensions (W x D x H)	405 x 481 x 149-158 mm	405 x 471 x 194 mm	315 x 280 x 109 mm (chassis only)
Weight	13 kg	13 kg	4 kg