

Ultra-portable with a weight of only 1.5 kg, and incredibly bright at 1500 ANSI lumens in any setting, the U4 Series offers the most powerful business mobile projectors ever, vastly broadening your arena of presentation.

While maintaining the light 1.5 kg weight of its predecessors, the U4 Series boosts brightness 1.5 times to a remarkable 1500 ANSI lumens,* and more than doubles contrast ratio to 1500:1. Compact, lightweight and bright, and delivering superior image quality unique to DLP™ technology, they have everything you want in a business mobile projector. The projectors can be taken anywhere, anytime, to make presentations with excellent image quality in any setting. PLUS's U4 Series represents a new standard for business mobile projectors.

* Applicable only to the U4-131.

PLUS Sets a New Benchmark for Business Mobile Projectors.

Slim and lightweight at only 1.5 kg, the U4 Series delivers radiant brightness of 1500 ANSI lumens.

For the creation of the U4 Series, PLUS has drawn on its engineering savvy and experience acquired through its longtime development of mobile projectors. Featuring a new generation DMD chip developed by Texas Instruments, a further improved color wheel and light engine, a newly designed lamp, and more, these projectors deliver best-in-class* brightness of 1500 ANSI lumens in a compact package weighing a mere 1.5 kg. They allow you to project a clear image even amidst bright ambient light, regardless of room size. • Among sub-1.5 kg projectors in Japan. Applicable only to the U4-131. (Study by PLUS Vision Corp., January 2003)

Astounding 1500:1 contrast ratio produces picture quality that exceeds the actual lumen value.

Contrast between the lightest and darkest portions of an image determines its overall visibility. The U4 Series's upgraded contrast ratio of 1500:1 delivers the blackest black and the whitest white. This provides clearer images of text and fine drawings than other projectors with the same brightness and a lower contrast ratio. It also allows fine gradations of expression with photographs and other images.

See the back page for details.



PLUS Takes the Superior Picture Quality Enabled by DLP™ Technology Even Higher.

PLUS's engineering expertise unleashes the full potential of a DLP™ projection system.

At the core of DLP™ technology is a 100% digitally controlled device called a Digital Micromirror Device (DMD), which was developed by Texas Instruments. DMDs offer a variety of advantages, such as low light loss and a high contrast ratio. PLUS maximizes these inherent advantages of DLP™ technology through its optical expertise built on its years of experience as a pioneer in DLP™ projectors.

Excellent color uniformity and zero convergence problems ensure effective presentations.

The LCD system generates images by first breaking light into the three additive primary colors (RGB) and then recombining them into one, and thus invites color non-uniformity and convergence problems, such as colored fringes around objects. In contrast, the one-chip DLP™ projection system used in PLUS projectors reproduces images through RGB sequential illumination with a color wheel. This allows superb color uniformity, even against solid-color backgrounds, and perfect color alignment for clear images of small-font text and colorful charts.

Seamless high-definition imaging means no visible pixelations.

The DMD system, the key element in DLP™ technology, controls images with the backside of each micromirror, which corresponds to one pixel. This allows the grid between each micromirror to be less than one micron. In contrast, LCD projectors control images using the grids between pixels, which makes it difficult to narrow the grids for a smooth image. DLP™ projectors can deliver seamless, smooth, and accurate images.



U4-131, U4-111 Specifications

	U4-131 NEW	U4-111 NEW
Projection System	DLP™	
Panel	DMD XGA x 1	DMD SVGA x 1
Resolution	1024 pixels x 768 pixels	800 pixels x 600 pixels
Brightness	Normal mode: 1500 ANSI lumens	Normal mode: 1200 ANSI lumens
Contrast Ratio	(Eco-mode: approximately 20% less brightness)	
Aspect Ratio	1500:1 (Full on/off)	
Projection Lens	4:3, supports 16:9	
Light Resource	F= 2.4, f= 23 mm	
Color Palette	Manual Focus	
Projecting Position	150-watt High Performance Compact Lamp	
Projection Distance	16.7 million colors	
Image Size	Front/Rear, Table/Ceiling	
RGB Signal (Input)	1.2-8.5 m	1.2-6.6 m
Video Signal	36"-200" diagonal	28"-200" diagonal
Horizontal Synch Range	SXGA (Compression), XGA (True), SVGA/VGA (Expansion/True)	XGA (Compression), SVGA (True), VGA (Expansion/True)
Vertical Synch Range	NTSC3.58, NTSC4.43, PAL, PAL_N, PAL_M, PAL60, SECAM, YCbCr (NTSC, PAL), YPbPr (480p, 1080i, 720p)	
Audio	15-91 kHz	
Terminals (Input)	50-85 Hz	
Color	Mono 0.5-watt	
Dimensions Excluding Lens and Stand	RGB (Analog/Digital)/YPbPr: DVI-I 29 pin x 1	
Weight	Composite Video: RCA x 1	
Power Supply	S-Video: Mini DIN 4 pin x 1	
Power Consumption	Audio (RGB/Video): ø3.5 mm Stereo Mini Jack x 1	
On-Screen Display Languages	Silver	
Functions	53 mm (H) x 190 mm (W) x 239 mm (L)	
Accessories	1.5 kg approx.	
Optional Accessories	100-120/220-240 V AC at 50/60 Hz	
	200 watts (Normal mode), 180 watts (Eco-mode)	
	English/German/French/Italian/Spanish/Swedish/Korean/Chinese/Japanese	
	Full-Auto Adjustment	
	Digital Keystone Correction (+25/-35 degrees)	
	Digital Zoom (x 10)	
	Freeze	
	Mute	
	Presentation timer	
	Custom logo	
	IR Remote Control	
	CR2025 (3V Lithium Battery) x 1 (for remote control)	
	Power Cable (1.8 m) x 1	
	DVI to mini D-sub 15 pin (2.0 m) x 1	
	Video Cable (2 m) x 1	
	S-Video Cable (2 m) x 1	
	ø3.5 mm mini plug for Audio Cable (2 m) x 1	
	ø3.5 mm stereo plug to RCA x 2 for Audio (0.15 m) x 1	
	Soft Carrying Case x 1	
	Cable Case x 1	
	User's Manual (CD-ROM)	
	User's Manual (Simplified Edition)	
	Ceiling Mount Kit	
	User-Replaceable Lamp Unit	

The U4 Series's Superior Features Help You Prepare and Give Outstanding Presentations.

*The photos are conceptual renderings.

Easy Setup

- **Short-focus lens:** Allows you to project large-screen presentations with ease, even in cramped spaces. (The U4-131 only)
- **Auto-source:** Identifies and projects RGB and video input sources automatically.
- **Auto-adjustment:** Automatically tunes the RGB phase, clock frequency, and resolution to achieve the optimal image.
- **Digital keystone correction:** Allows you to correct the image from top-to-bottom. Unlike most LCD projectors, PLUS projectors are designed to project images at a comfortable viewing level, ensuring a distortion-free image.

Special Features for Presentations

- **Presentation timer:** Indicates the remaining presentation time on screen, and allows you to manage time without keeping an eye on your watch.
- **Custom logo:** Projects your own background logo, preselected in advance, as a startup screen. Impress your audience and enhance your presentation image with a custom logo.
- **Front ventilation:** Keeps the exhaust air away from audience members who sit on the side of the projector, providing a distraction-free viewing environment.
- **Full-function remote-control card:** Ultra-portable card-type remote control is supplied as a standard feature.
- **Whisper quiet operation:** Noise level is reduced immensely through the innovative location of the fan.
- **Built-in sliding lens cap:** Protects the projector lens. No need to worry about damaging it during transportation of the projector.
- **Eco-mode:** Extends the lamp life by reducing the brightness to about 80% of the normal mode.

Advanced Digital Input Interface

- **Built-in DVI terminal:** The Digital Visual Interface (DVI) terminal enables full digital transmission, maximizing the advantages offered by the DLP™ technology which incorporates the all-digital DMD device. The digital-to-digital connection eliminates the conversion to analog and thereby renders finer images.
- **Compatible with 720p/1080i HDTV signals:** The U4 Series supports high-definition broadcasts and is compatible with a 16:9 aspect ratio.



● Rear panel

DLP™ Technology: State-of-the-Art Projection Technology for Today's Mobile Age

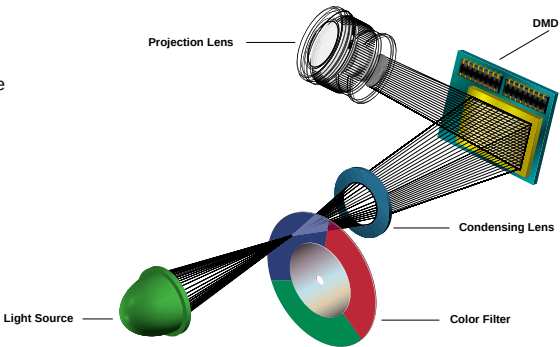


PLUS was the first Japanese company to commit to the development of DLP™ projectors using the single-chip DMD method. Since entering the market in 1998, PLUS has released several compact, high-brightness, high-quality models, contributing to the creation of a new image of projectors as "mobile tools". In Japan, PLUS holds the No. 1*1 market share in the sub-3 kg category, and commands a 64%*2 share of the DLP™ projector market.

*1 Sales results from April 2001 to March 2002. (Study by Fuji Chimera Research Institute, Inc., 2001)

*2 Sales results from April 2001 to March 2002. (Study by Fuji Chimera Research Institute, Inc., 2001)

◀ DMD (Digital Micromirror Device)



Iruma Factory of PLUS Vision Corp. is certified to ISO 9001. Certificate No.1210017398 TMS



Otowa Head Office and PLUSLAND of PLUS Corporation, and Iruma Office/Iruma Factory of PLUS Vision Corp. are certified to ISO 14001. Certificate No. NQE-9809008A *PLUS Vision Corp. is certified to ISO 14001 as a member of the PLUS group.



The PLUS Group PLUS Vision Corp.

Otowa Office: Head Office
20-11, Otowa 1-chome, Bunkyo-ku, Tokyo 112-0013 JAPAN
Iruma Office
108 Sayamagahara, Iruma-shi, Saitama 358-8585 JAPAN
Tel: +81-(0)42-934-1336 Fax: +81-(0)42-934-1432
e-mail: plusvision@plus.co.jp
www.plus-vision.com

Specifications are subject to change without notice.