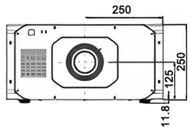
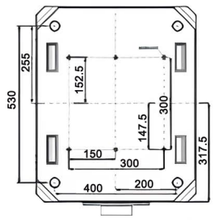
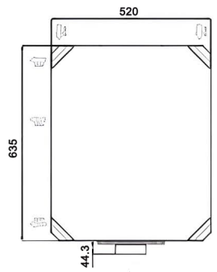
Product Standard

Brand/Model	RL-P15U
Display technology	DLP (Digital Light Processing)
Chip Size	0.67 inches
Brightness	15000 lm
Resolution	WUXGA(1920x1200)
Contrast	5000000:1
Picture uniformity	≥90%
Lens (Mirror)	F: 1.7 1.9 (electric), 1.3 times zoom ratio (electric)
Projection size	40" - 300"
Projection distance	1.46m - 14.97m
Projection ratio	1.73 - 2.27
Aspect ratio	16:10 (compatible with 4:3)
light source lifespan	Laser diode (Normal mode: 20,000 hours; Economy mode: 30,000 hours)
Digital trapezoidal correction	Vertical: +100% (electric), Horizontal: ±50% (electric)
Input interface	HDMI*2,USB-Type A*2,VGA in*1,Video in*1,Audio in(mini jack,3.5mm)*
Output interface	VGA out (D-sub15pin) x1、 Audio out (mini jack, 3.5mm) ×1、 HDMI out ×1
Computer signal	PC-VGA,SVGA,XGA,SXGA, WXGA, WUXGA / Mac
Video input signal	NTSC, PAL, SECAM, 576P, 576i, 480P, 480i, 720P, 1080i/ 1080P
Control interface	RS232 in x1, RS232 out x1, RJ45 x1, Remote in x1, Remote out x1
Video Interface	HDMI 1.4 x2, DVI x1, Video x1
Other interfaces	HD-BASET x1, RGBHV x1, component x1, SDI x1, Mini USB x1
Scanning Frequency	Horizontal: 15 90 kHz, Vertical: 24 - 85 Hz
Noise	<43dB
Projective Mode	Front shot / Back shot; Table-mounted / Suspended
Loudspeaker	10WX1
Weight	31 kilograms (excluding the lens)
Dimensions	635 * 520 * 250 mm (Does not include the highlighted part)
Power Supply	200V-240V @ 50-60 HZ
Overall Power Consumption	1060W (200V~240V)
Stand-By Power Consumption	≤ 1W
Operating/Storage Temperature	Operating temperature: 0°C -50°C (over 40°, switch to Eco mode) / Storage temperature: -10°C ~ 60°C
Operation/Storage Humidity	20% - 80% (non-condensation) / 20% - 80% (non-condensation)
Standard equipment	Remote control, power cord, quick start card, certificate of conformity, warranty card

Overall dimensions (unit: mm)







ROLY
BEYOND ENVISION

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ROLY
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LASER

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DLP Laser Projector LASER

RL - P15U

Contrast	5000000:1		
Resolution Ratio	WUXGA (1920x1200)		
Luminance	15000lm	weight	31kg
Lens	f:1.7-1.9(electric), 1.3 times zoom ration(electric)		
Projection Ratio	1.73 - 2.27		
Maximum power consumption	1060W max		

[Projection Distance Table] Standard Lens Unit: Meter

Projection ratio	1.73-2.27	
16:10 Screen	Straight-Line Distance	Longest Distance
40”	1.46	1.93
60”	2.22	2.93
80”	2.98	3.93
100”	3.74	4.94
150”	5.64	7.44
200”	7.54	9.95
300”	14.34	14.97

[Projection Distance Table] Standard Lens Unit: Meter

Projection ratio	0.63	0.9
16:10 Screen	Projetion Distance	Projetion Distance
40”	0.54	0.78
60”	0.81	1.16
80”	1.09	1.55
100”	1.36	1.94
150”	2.04	2.91
200”	2.71	3.88
300”	4.07	5.82

High-definition images, stable and long-lasting, with bright and vivid colors

Long-lasting laser light source, with a lifespan of up to 20,000 hours.

Using a laser light source, it features a long service life of 20,000 hours, high stability and low energy consumption, maintaining stable brightness and color performance.

Ultra-high brightness of 15,000 lumens

The brightness output reaches up to 15,000lm, with a high contrast ratio of 5,000,000:1. It is suitable for professional scenarios such as exhibition halls, lecture halls, and outdoor tourism and culture.

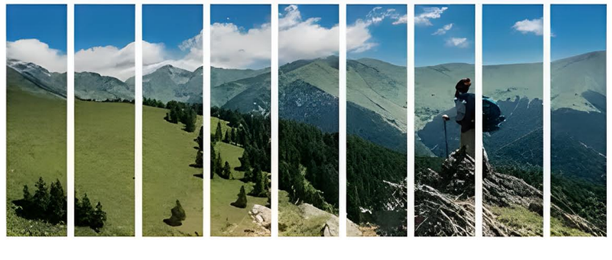
The first product to adopt Texas Instruments' DLP® technology

The first product of HOVY to adopt Texas Instruments DLP technology is composed of DMD digital mirrors and display controller chips, offering long-lasting color performance and native high contrast, enhancing the depth of the image andmaking the picture appear more realistic. Moreover, it adopts a fully enclosedoptical mechanism design, which can effectively prevent dust from enteringthe optical mechanism, ensuring image quality, prolonging the lifespan of the optical mechanism, and reducing the maintenance cost in the later stage.

DLP TEXAS INSTRUMENTS

Perfectly achieve multi-display integration of projectors

Through the application of DLP digital reflective projection technology, the image can achieve higher gray levels and more colors. The picture quality is stable, and the precise digital images can be continuously reproduced. The application of reflective DMI chips greatly improves the light efficiency of the imaging device, and the uniformity of contrast and brightness is very excellent. The stability of the image will help achieve consistency in the splicing and fusion of multiple



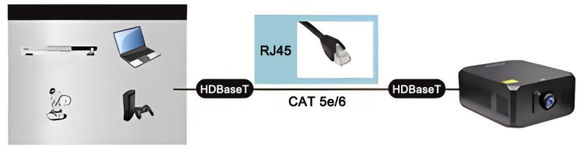
More practical functions, easier and simpler to use

Support 3D stereoscopic projection

3D stereoscopic imaging utilizes the human visual mechanism to enable the left and right eyes to see different viewpoints of the same object, thereby generating a 3D stereoscopic effect. A 3D projector must have a 120Hz capability to simultaneously project two sets of images for the left and right eyes. By synchronizing with the active glasses and the picture signal, the left and right eyes can see separate left and right images, presenting a 3D image!

Supports high-quality remote transmission interface HDBASET terminals

It is equipped with HDBaseT terminals and uses the common RJ45 connector. By connecting to a CAT 5e/6 network line, it can support uncompressed Full HD digital video, audio and other signals, and supports high-quality long-distance signal transmission.



Liquid cooling technology, efficient heat dissipation, stable operation

By adopting liquid cooling technology, the heat dissipation efficiency of the optical machine can be guaranteed, ensuring that the light source module operates in the optimal condition, achieving efficient cooling and ensuring the stable operation of the machine.

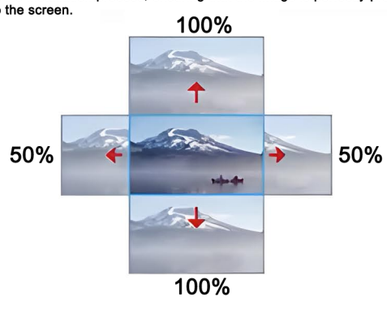
Engineering-specific complete port

To meet the connection requirements of various devices, a variety of interfaces have been equipped, including HDMI, VGA, USB, RS232, RJ45, etc., providing more flexibility and scalability.

Reliable performance, simple and convenient to operate.

Electrically controlled remote lens movement, focusing and zooming functions

To make it convenient for you to easily adjust the position and size of the picture during the installation process, ensuring that the image is perfectly projected onto the screen.

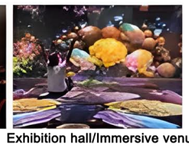


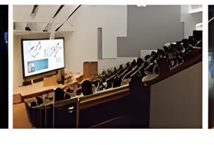
With different focal length lenses, installation and adjustment become much more convenient.

According to actual needs, different focal length lenses can be selected for configuration, enabling flexible adaptation to various application scenarios. Additionally, the rotating lens clip design is adopted, making installation effortless.


Entertainment venues/Concerts


The cinema/Lecture hall


Exhibition hall/Immersive venue



Central camera lens design

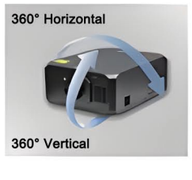
With the lens symmetrically centered design, whether it is a front projection or rear projection, the installation process becomes much easier and there are fewer errors.

Unique four-corner handle design, easy to install

The four-corner handles provide a stable grip point, enabling you to adjust flexibly according to different heights and angles during the transportation and construction installation process. This allows you to complete the installation quickly and save valuable construction time.

360-degree free installation

With a 360-degree horizontal/vertical installation design, it can accommodate various projection angles. There are no restrictions for direct projection, rear projection, or side projection, meeting the needs of various installations and solutions.



Vertical and Horizontal Trapezoidal Correction / Four-Angle Trapezoidal Correction Function

With the functions of vertical, horizontal and corner trapezoid correction, it can easily correct the image distortion caused by trapezoid shape when projecting at oblique or unusual angles, ensuring that the projected image conforms to the screen.