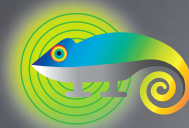# LASER

ROLY
BEYOND ENVISION

Three-in-One
new 3LCD laser projector

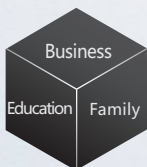**Light** — The world's smallest and lightest laser projector

Laser — Stable and Reliable Laser Light Source

ROLY Chameleon Color Richness Technology

Business
Education | Family

RL-A500U
WUXGA | **5000 lm**

3LCD | HDMI

*The smallest and lightest refers to the comparison results of 4000 to 5000 lumens brightness laser projectors globally as of August 2019.

Specifications

Model	RL-A500U
Display Technology	Liquid Crystal Display
LCD panel	3x0.64" (16:10)
Brightness	5000 lm
Resolution	WUXGA (1920x1200)
Number of pixels	6,912,000 pixels (1920x1200x3)
Contrast	1500000:1
Center to corner uniformity	≥ 90%
Lens	F1.6-1.76 · f=19.158-23.018mm
Screen size	30"-300"
Throw distance	0.87m~10.73m
Throw Ratio	1.37-1.65
Light source (service life)	Laser diode (Normal mode: 20000h, Eco mode: 25000h)
Keystone Correction	Vertical: ±40% (Auto+Manual) · Horizontal: ±15% (Manual)

Input Terminals	PC	VGA (D-sub 15pin) ×1
	Audio	Audio in: mini jack ×1 (3.5mm)
	Video	HDMI ×2 · Video ×1 (RCA)
	Others	USB ×2

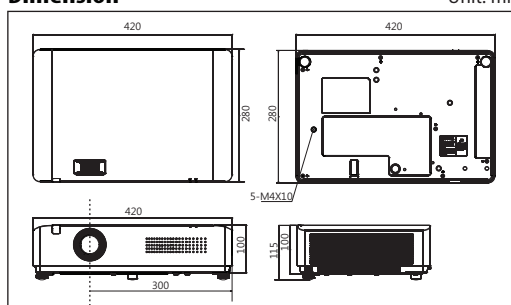|	
Output terminal	VGA (D-sub 15pin) ×1 · Audio out: Mini-jack ×1 (3.5mm)
Control terminal	RS232 (D-sub 9pin) ×1 · RJ-45 ×1 (Control)
PC input signal	PC-VGA,SVGA,XGA,SXGA,WXGA,UXGA,WUXGA / Mac
Video input signal	PAL,SECAM,NTSC (480i,480p,576i,576p,720p,1080i,1080p)
Scanning Frequency	Horizontal: 15~90kHz · Vertical: 24~85Hz
Noise	Normal mode: 35dB · Eco mode: 28dB
Projection method	Ceiling/floor · front/rear
Speaker	10W×1
Weight	5.5 KG
Dimension (WxHxD)	420 x 100 x 280mm (not incl. protruded part)
Power supply	100~240V AC (50/60Hz)
Power Consumption	285W max
Standby power consumption	≤ 0.3W
Operating environment	Operating temperature: 0°C~40°C · operating humidity: 20%~80% (non-condensation)
Standard accessory	Wireless remote control, power cord
Function	◆ Built-in LAN for remote monitoring ◆ Blackboard modes for colored screen surfaces ◆ USB Memory Viewer ◆ Compatible with PJ-Link、AMX、Crestron ◆ DICOM simulation mode ◆ Password locking and anti-theft lock latch ◆ Corner Keystone Correction ◆ One-button black screen function ◆ Quick start and Quick off ◆ Overheat automatic shutdown function

* These specifications and the product's design are subject to change without notice.

Projection distance WUXGA (16:10 aspect ratio)

Screen size (inch)	min. (wide) (meters)	max.(tele) (meters)
30"	0.87	1.05
80"	2.36	2.84
100"	2.96	3.56
150"	4.45	5.35
200"	5.95	7.15
300"	8.93	10.73

Dimension
Unit: mm

Features

■The World's lightest and smallest laser projector

Compare to other brand models, it has lightweight and simple elegant design. It is more convenient to install or carry, suitable for installation in various environments.

■Designed for visual color - 3LCD Technology

For 3LCD technology, the color brightness equals to white brightness. There is no rainbow effect, and higher color restoration capability, which will produce more real and nature color.

■No Light-Source Replacement for 20,000 hours

Laser light source has an ultra-long service life of 20,000 hours. With energy-saving and environment-friendly characteristics, it can save more than 30% of energy compared to general projectors.

■ROLY Chameleon Color Richness Technology

With over 70% of the NTSC standard color gamut coverage, it truly restores the natural colors seen by the human eye. The overall technology is like a chameleon that can accurately and quickly display its own protective color when it is affected by the environment.

■24/7 uninterrupted and stable operation

Breakthrough from the thermal dilemma of the laser-light source, the stability of the whole machine is perfect under the condition of long-term uninterrupted operation.

■Other

◆ Corner Keystane Correction
◆ 360° free and flexible installation function
◆ Auto Image Rotation
◆ DICOM simulation mode
◆ Built-in LAN for remote monitoring
◆ Quick start and Quick off function
◆ One-button black screen function
◆ Overheat automatic shutdown function
◆ Password locking and anti-theft lock latch
◆ Compatible with Crestron - PJ-Link - AMX

Precautions

- According to the ISO21118 standard: all data represents the average value of the product at the time of production, and the minimum value of the product is 80% of the value.
- Product specifications are for reference only. If there is any misuse or change, please refer to the actual machine without prior notice.
- This projector is not a medical device, please do not use it for actual diagnosis. DICOM simulation mode is suitable for medical training and demonstration.
- The environment and method of use will affect the life of the projector. The listed data is only the maximum, non-guaranteed hours.
- The final information of the product is marked by the box or the actual product. Please confirm with the dealer when purchasing.
- All materials have been carefully checked for accuracy, please be aware of any errors in printing or deviations in translation.
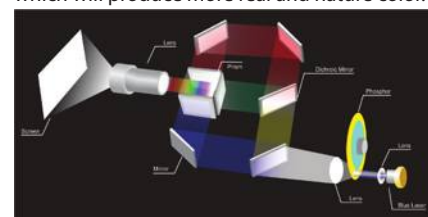
ROLY

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