

Product Specification

Model	AYW505ST	AYU505ST
Optical Spec.		
Brightness (Lumens)	5000	5000
Display Technology	3LCD	
Contract Ratio	5,000,000:1 (FOFO)	
Resolution	WXGA (1280 x 800)	WUXGA (1920 x 1200)
Light Source	Laser Diode	
Noise	ECO2: 28dB/ ECO1: 30dB/ Normal: 37dB	
Lamp Lifetime	20,000 Hrs(Normal) / 30,000 Hrs(ECO)	
Aspect Ratio	16:10(Standard)/4:3/16:9(Compatible)	
Projection Lens		
F	1.6	1.6
f	6.39mm	6.39mm
Zoom/Focus	Manual	
Throw Ratio	0.48:1	0.48:1
Screen Size	50"~120"	50"~120"
Generic Spec.		
Speaker	1*16W	
Scanning Frequency	Hsync Frequency 15~100KHz / Vsync Frequency 24~85Hz	
Computer Signal Input	VGA, SVGA, XGA, SXGA, WXGA, UXGA, WUXGA, 4K@30Hz	
Videp Compatibility	PAL, SECAM, NTSC 4.43, PAL-M, PAL-N, 480i, 480p, 576i, 576p, 720p, 1080p and 1080i	
Power Requirements	100~240V @ 50/60Hz	
Power Consumption	ECO2: 155W/ ECO1: 175W/ Normal: 270W	ECO2: 170W/ ECO1: 190W/ Normal: 280W
Input Terminals	VGA x1, HDMI x2, Video x1, Audio in(mini jack, 3.5m) x1, Audio in(L/R) x1, USB-A x1(Support Memeory viewer), USB-B x1(Display), RJ 45 x1	
Output Terminals	VGA x1, Audio out (mini-jack,3.5mm) x1	
Other Terminals	RS-232x1, RJ45 x1(control), USB-Bx1(for up-grade)	
Other Function		
Keystone Correction	V: ±30°, H: ±30°, 4 Corner Keystone	V: ±30°, H: ±30°, Pincushion/Barrel Correction, 4 Corner, 6 Corner Geometry Correction, Grid Image Tune
Auto Setup	INPUT SEARCH, AUTO PC, Auto Keystone, Auto Ceiling	
Picture mode	Dynamic, Standard, Cinema, Colorboard, Blackboard(Green)	
Suspend	Yes(5minutes no signal as default)	
Cooling time	5s	
D-Zoom	1~19	
360 degree projection	Yes	
Mechanical Spec.		
Max Dimensions (WxHxDmm)	390(W) x 319(D) x 144(H) mm	
Net. Weight(KG)	5.5 kg	
Standard Accessories		
Standard	Power cord, VGA cable, Remote control, Service Card, QSG(for Projector)	

*specification subject to change without notice.

Projection distance

*All measurements are approximate and may vary from the actual sizes.

Model	Projection Screen Size				Model	Projection Screen Size			
	4:3 aspect ration					16:9 aspect ration			
	Screen Size (inch)	Wide (m)	Height (m)	Throw Distance (m)		Screen Size (inch)	Wide (m)	Height (m)	Throw Distance (m)
AYW505ST	50	1.077	0.673	0.505	AYU505ST	55	1.185	0.740	0.514
	60	1.292	0.808	0.613		60	1.292	0.808	0.568
	70	1.508	0.942	0.722		70	1.508	0.942	0.668
	80	1.723	1.077	0.830		80	1.723	1.077	0.769
	90	1.939	1.212	0.939		90	1.939	1.212	0.869
	100	2.154	1.346	1.047		100	2.154	1.346	0.969
	120	2.585	1.615	1.264		130	2.800	1.750	1.265



Short Throw Projector



AYW505ST / AYU505ST

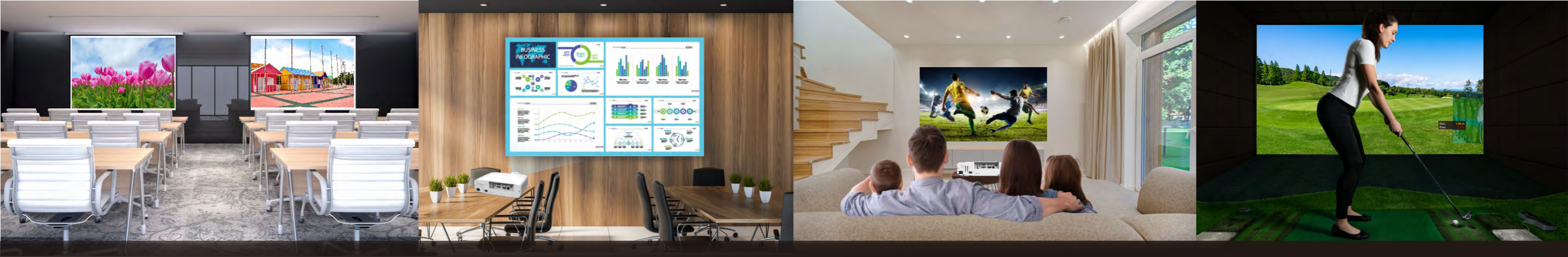
5000lm brightness output, lens shift, 30,000hrs life time(ECO mode) of laser light source can provide professional installation in small and medium rooms, lecture hall, auditorium, gymnasium and bowling alley and reduce maintenance fee.

- 0.44:1 Short Throw
- Supports 4K Signal Input
- Up to 30,000 Hours Light-source Lifetime
- Compatible with Crestron RoomView, AMX,PJ-Link and can control multiple projectors simultaneously through the network.
- 5,000,000:1 High Contrast
- 360 Degree Projection
- Powerful Geometry Correction



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High Brightness, Rich Color and Vivid Images

Adopting 3LCD technology and laser light source, brightness output reaches to 5000 lumens and 5,000,000:1 contrast. Install this projector indoors in large space to still keep the screen full of rich color performance and vibrant image.



▲ High Contrast
5,000,000:1



▼ Low Contrast

30,000 Hours without change Light Source

Laser light source design can up to 30,000 hours operation time without light source replacement to reduce maintenance effort and give customer user-friendly feeling.

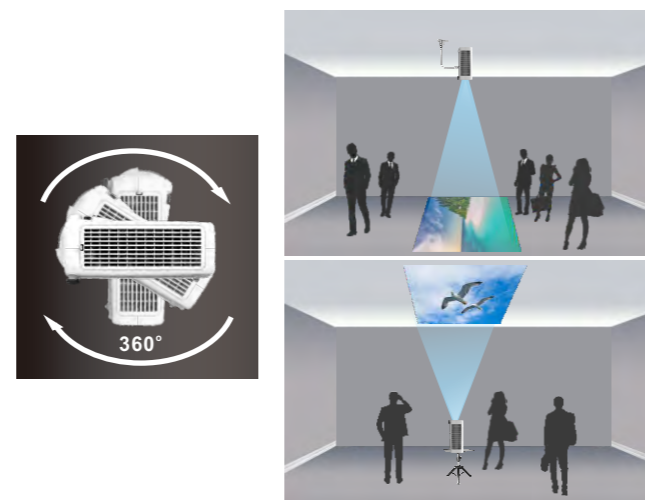
Light source has Normal, ECO1, ECO2 modes be adjusted by the ambient light to save energy.

Energy saving

5,000 hours (ECO)	20,000 hours (Normal)	30,000 hours (ECO)
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360 Degree Projection

Any tilt-free, roll-free and portrait can be installed at any angle universally. Under the freeform (360-degree) projection the projector can be set up to point up or down depending on the installation environments and can be installed on its side to create a portrait image.



Powerful Geometry Correction

In addition to the conventional Vertical and Horizontal keystone correction, we still provide 4 Corner keystone, Pincushion, Barrel Correction, 6 Corner Correction and Grid Image for installer to install on spheres, cylinders, and many more non-standard surfaces.

* Pincushion/Barrel, 6 corner correction and Grid image tune are only for WUXGA model.



No Shadow in the screen

Projecting 100" at a distance of 97cm, the ultra-short throw projector avoids direct light to harm the eyes and protects the user's safety.



Superior Dust Proof Design

High efficiency ESD filter can make sure projector under the clean situation operation to extend the projector life and ensure the image quality.

Projector built-in an auto-detected system, always checks the projector's air volume, and automatically detects whether the filter is blocked. It can actively give the alarm to clean up the filter message to protect the machine and improve the service life.



Multiple Interface

Equipped with a wide range of terminals, such as HDMI×2, VGA, USB-A, RJ45.

