

AZH460ST

Ultra-Compact High Brightness FHD 1080p Laser Projector



The AZH460ST is Optoma's most compact hassle free FHD 1080p DuraCore laser projector to date. Designed for maintenance-free continuous operation, it can be installed in virtually any orientation and location due to the small and lightweight footprint (34% smaller)

Designed with the environment in mind the AZH460ST cuts power by 40% vs a typical Optoma lamp based product. In addition, being built around laser technology this ensure a long product lifespan without the need for additional lamps. Optoma have looked to minimize product design to cut logistic impacts on the environment cutting CO2 and reducing our overall carbon footprint. The AZH460ST is also the first in a line of product from Optoma to look to use Post-Consumer Recycled material within the product itself.

This feature-packed projector has a built-in speaker and its laser technology delivers up to 30,000 hours of maintenance-free laser light source. Designed with ultimate control and convenience in mind, this projector comes with an RS232 connection for monitoring and controlling as well as a short throw lens meaning it can be setup less than half a metre from any wall.

The AZH460ST is geared for meeting rooms, medium-sized exhibition venues, events or tradeshow. It maintains excellent image quality as brightness and colour saturation is preserved for longer compared to lamp-based systems.



Specification



Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,000 lumens
Contrast ratio	3,00,000:1
Contrast ratio - dynamic	20,00,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9,16:10
Keystone correction - horizontal	+/-15°
Keystone correction - vertical	+/-15°
Displayable colours (millions)	1073.4
Horizontal scan rate	15 ~ 140Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	0.76m ~ 7.62m (30" ~ 300") diagonal

Lamp info

Light source type	Laser
LASER life	30,000 hours

Optical

Throw ratio	0.496:1
Projection distance	0.4m - 3.2m
Focal length	7.51
Native offset	116% (tolerance ±5%)

Connectivity

Connections	Inputs
	HDMI 2.0 x2, RJ45 x1
	Outputs
	Audio 3.5mm x1,
	USB-A power 1.5A x1
	Control
	RS232 x1

Specification

General

Noise level (min)	27dB
PC compatibility	UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4,43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
2D compatibility	Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-ray DVD 3D)ver-Under: 1080p24, 720p50 / 60
3D compatibility	Full 3D
3D	Security bar, Kensington Lock, Password protected interface
Security	IP6X
IP rating	25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese
OSD / display languages	Yes
24/7 operation	Yes
360° operation	0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m
Operating conditions	1
Speaker count	15W
Watts per speaker	AC power cordRemote controlBasic user manual
In the box	

Networking

LAN - control	LAN Control
LAN	Yes

Power

Power supply	DC input 19V via a 180W power adapter (AC input 100~240V, 50/60 Hz to DC 19V)
Power consumption (standby)	
Power consumption (min)	121W
Power consumption (max)	176W

Weight and dimensions

Dimensions (W x D x H)	274 x 216 x 114
Gross weight	4.2 kg
Net weight	3 kg