## ZH406ST

Compact high brightness short throw laser projector







- Bright Full HD 1080p DuraCore laser projector -4000 lumens
- Short throw lens 100" image from just over a metre away
- Ultimate Control Crestron, Extron, AMX, PJ-Link and Telnet LAN commands
- 30,000 hours maintenance-free laser light source



The ZH406ST is a compact short throw Full HD 1080p DuraCore laser projector. Designed for maintenance-free, continuous operation it can be installed in virtually any orientation.

Pack full of features this compact laser projector has built-in speakers, is 4K and HDR compatible, and is low maintenance with extremely long-life laser technology. For ultimate control, the projector comes with RJ45 connection allowing you to monitor and control your network in multiple rooms.

Perfect for business, education and museums senarios where a clean bright image is required.

## **Specifications**

Display/image	
Display technology Resolution	DLP™ 10800 Full HD (1920×1080)
Resolution Brightness	1080p Full HD (1920x1080) 4,000 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3
Keystone correction -	+/-15°
horizontal	
Keystone correction - vertical	+/-15°
Has vertical auto keystone	Yes
correction	
Displayable colours (millions)	1073.4
Horizontal scan rate	15.375 ~ 91.146 Khz
Vertical scan rate	50 ~ 120Hz
Uniformity	85%
Screen size	0.92m ~ 7.63m (36.4" ~ 300.5") diagonal
Lamp info	
Light source type	Laser
LASER life	30,000 hours
Optical Threw patie	0.5.1
Throw ratio	0.5:1 0.4m - 2.3m
Projection distance	0.4m - 3.3m Fixed
Zoom type Eccal longth	Fixed 7.51mm
Focal length	
Native offset Connectivity	115%
Connectivity Connections	
oonnootions	Inputs 1 x HDMI 2.0, 1 x HDMI 1.4a 3D support, 1 x VGA (YPbPr/RGB), 2 x Audio 3.5mm, 1 x Microphone, 1 x
	Composite video
	Outputs 1 x VGA, 1 x Audio 3.5mm, 1 x USB-A power 1.5A
	Control 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x micro USB
	service, 1 x 3D sync
General	
Noise level (min)	30dB
Noise level (max)	32dB
PC compatibility	UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H///M/N, 4,43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p,
3D compatibility	720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack:
	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
IP rating	IP6X
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OSD / display languages	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 24/7 operation	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional),
OSD / display languages 24/7 operation	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes
OSD / display languages 24/7 operation 360° operation	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max
OSD / display languages 24/7 operation 360° operation Operating conditions	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85%
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W
DSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control
DSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker n the box	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries
DSD / display languages 24/7 operation 360° operation Deprating conditions Remote control Heat dissipation Speaker count Watts per speaker n the box Dptional wireless models Networking	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S <sup>5</sup> C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control Power	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control Power Power supply	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100 ~ 240V, 50 ~ 60Hz
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control Power Power Power supply Power consumption (standby)	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C-40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100 ~ 240V, 50 ~ 60Hz <0.5W
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control Power Power Power supply Power consumption (standby) Power consumption (min)	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S <sup>5</sup> C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batterias Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100 ~ 240V, 50 ~ 60Hz <0.5W 206W
OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control Power Supply Power consumption (standby) Power consumption (min) Power consumption (max)	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100 ~ 240V, 50 ~ 60Hz <0.5W
224/7 operation 360° operation 360° operation 360° operation 360° operation 360° operation 360° operation 360° operation 370° operation 380° operatio	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100 ~ 240V, 50 ~ 60Hz <0.5W 206W
224/7 operation 360° operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Optional wireless models Networking AN - control Power Ower supply Power consumption (standby) Power consumption (max)	Finnish, French, German, Greek, Hungarian, Indonesian, Italian Japanese, Norwegian, Polish, Portuguese, Romanian, Russian Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese Yes S <sup>5</sup> C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit ProAV remote 918BTU/hour 2 10W AC power cord Remote control 2x AAA batterias Basic user manual UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100 ~ 240V, 50 ~ 60Hz <0.5W 206W







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