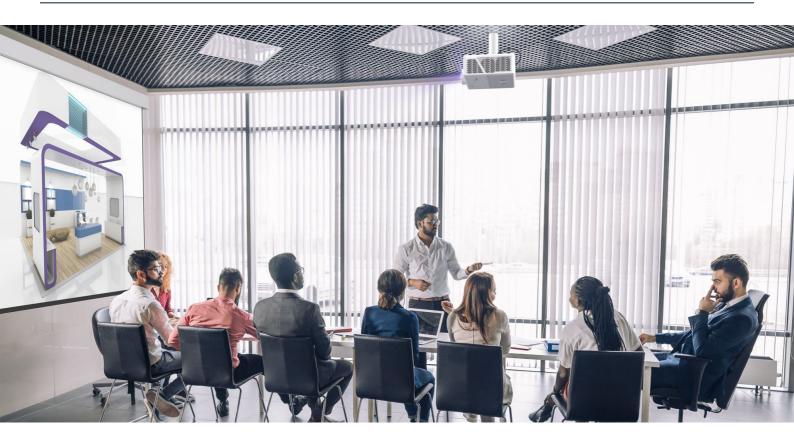


ZH461 Compact high brightness laser projector





- Bright Full HD 1080p DuraCore laser projector 5000 lumens
- Versatile 1.6x zoom, vertical lens shift, portrait mode
- Ultimate control Crestron, Extron, AMX, PJ-Link and Telnet LAN commands
- Long lifetime and high reliability 30,000 hours of virtually maintenance-free operation



The ZH461 projector offers true convenience with low maintenance and longer-life laser technology in a small and lightweight chassis. It also features 4K and HDR compatibility and an impressive 5000 lumens.

Specifications

	5387666665, Colour: white
Display/image Display technology	
Resolution	1080p Full HD (1920x1080)
Brightness	5,000 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Has vertical auto keystone correction	Yes
Displayable colours (millions)	1073.4
Horizontal scan rate	15.375 ~ 91.146 Khz
Vertical scan rate	50 ~ 85 Hz (120Hz for 3D)Hz
Uniformity	80%
Screen size	0.51m ~ 8.14m (20.2" ~ 320.4") diagonal
Lamp info	
Light source type	Laser
LASER life	30,000 hours
Optical	
Throw ratio	1.4:1 ~ 2.24:1
Projection distance (m)	1m - 10m
Zoom	1.6 Manual
Zoom type	Manual
Focal length (mm)	20.91mm~32.62mm/0.823"~1.284"
Lens shift	Vertical +16%
Native offset	100% Maa ((dawalaada linki)
Lens shift	Yes - {{downloads_link}}
Connectivity Connections	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 Mic 3.5mm, 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 (typical)	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/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)
3D compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack:
	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
3D	Full 3D
	Security bar, Kensington Lock, Password protected interface
Security	IP6X
Security IP rating	IPox
IP rating 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
IP rating OSD / display languages 24/7 operation	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 Yes
IP rating OSD / display languages 24/7 operation 360° operation	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 Yes
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IP rating OSD / display languages 24/7 operation 360° operation Operating conditions	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 Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85%
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control	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 Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation	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 Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count	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 Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker	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 Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count	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 Yes Yes 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box	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 Yes Yes 5°C-40°C/41°F-104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual
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IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box	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 Yes Yes 5°C-40°C/41°F-104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking	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 Yes S°C-40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control	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 Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control Power	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 Yes Yes 5°C-40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control Power Power Supply	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 Yes Yes 5°C-40°C/41°F-104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control Power Power supply Power consumption (standby)	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 Yes Yes S°C-40°C/41°F-104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100V ~ 240V, 50-60Hz <0.5W
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control Power Power supply Power consumption (standby) Power consumption (min)	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 Yes Yes 5°C-40°C/41°F-104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100V ~ 240V, 50-60Hz <0.5W 227W
IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control Power P Power supply Power consumption (standby) Power consumption (min) Power consumption (max)	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 Yes Yes S°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100V ~ 240V, 50-60Hz <0.5W
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IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control Heat dissipation Speaker count Watts per speaker In the box Input lag Optional wireless models Networking LAN - control Power P Power supply Power consumption (standby) Power consumption (min) Power consumption (max)	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 Yes Yes 5°C-40°C/41°F-104°F, max altitude 3000M/9843ft, max humidity 85% Data remote with mouse function 918BTU/hour 2 10W AC power cord Remote control 2x AAA batteries Basic user manual 16.20ms UHDCast Pro, QuickCast Bundle, QuickCast starter kit Yes 100V ~ 240V, 50-60Hz <0.5W 227W







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