

ZH420UST Superb for signage



- 20,000 hours maintenance-free laser light source at full brightness**
- Dust resistant Independently tested, IP5X certification for total reliability
- 4000 lumens 1080p ultra short throw projector
- Versatile installation Portrait and downward projection

The ZH420UST is powered by a long-lasting, low maintenance DuraCore laser light source. The lamp-less design vastly reduces running costs for a low total cost of ownership.

Weighing only 5.5kg, this projector can be mounted just centimetres away from a wall or surface and can project an image size of over 100 inches (254cm).

Supporting 24/7 operation and versatile orientation, the ZH420UST is a flexible, powerful and bright ultra short throw projector which makes for a superb signage solution where space or accessibility can be limited, such as shop windows, museums or retail displays.

Advanced features of this model include integrated HDBaseT receiver, and warping and blending engine (multi-output graphics card supporting overlap adjustment is required).

Specifications

-	
Display/image	
Display technology	
Resolution	1080p Full HD (1920x1080)
Brightness	4,000 lumens
Contrast ratio	100,000:1
ANSI contrast ratio	1,800
Contrast ratio - full on/off	100,000:1
Aspect ratio - compatible	4:3,16:9,16:10
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Uniformity	85%
Screen size	2.21m ~ 2.59m (87" ~ 102") (diagonal)
Lamp info	
Light source type	Laser
LASER life	20,000 hours
Optical	
Throw ratio	0.25:1
Projection distance (m)	0.25.1 0.46m - 0.55m
	Fixed
Zoom type Ecocl Ionath (mm)	
Focal length (mm)	3.72mm
Lens shift	Vertical: +/-0%, Horizontal: +/-0%
Native offset	120%
Connectivity	
Connections	Inputs 1 x VGA, 2 x HDMI, 1 x Audio 3.5mm, 1 x Mic 3.5mm, 1 x HDBaseT, 1 x RJ45 Outputs 1 x VGA, 1 x Audio 3.5mm Control 1 x RS232, 1 x mini USB service
General	
Noise level (typical)	32dB
PC compatibility	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)
3D compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
3D compatibility 3D	
	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D
3D Security	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock
3D Security OSD / display languages	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages:
3D Security OSD / display languages 24/7 operation	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes
3D Security OSD / display languages 24/7 operation Remote control	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote
3D Security OSD / display languages 24/7 operation Remote control Speaker count	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1
3D Security OSD / display languages 24/7 operation Remote control	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power Power supply	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power Supply Power consumption (standby)	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz 0.5W
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power Power supply Power consumption (standby) Power consumption (min)	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power Supply Power consumption (standby)	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz 0.5W
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power Power supply Power consumption (standby) Power consumption (min)	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz 0.5W 225W
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max)	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz 0.5W 225W
3D Security OSD / display languages 24/7 operation Remote control Speaker count Watts per speaker In the box Networking LAN - control LAN Power consumption (standby) Power consumption (min) Power consumption (min) Power consumption (max) Weight and dimensions	1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar,Kensington Lock 1 languages: Yes Wired backlit PRO AV remote 1 10W HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation Yes Yes AC 90 – 264V 50/60 Hz 0.5W 225W 335W

Copyright © 2018, Optoma and its logo is a registered trademark of Optoma Corporation. Optoma Europe Ltd is the licensee of the registered trademark. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. All images are for representation purposes only and may be simulated. 12122018123228