Optoma

ZH420UST
Superb for signage

LASER | 24/7 | 24 FPS

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- **20,000 hours maintenance-free laser light source at full brightness**

- **In-built HDBaseT receiver, integrated warping and edge blending processor and four corner correction**

- **4000 lumens 1080p ultra short throw projector projects 100" image from just a metre away**

- **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	DLP
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
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9,16:10
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Uniformity	85%
Screen size	Data/text based content*: Min. 2.21m/87" - Max. 2.59m/102" diagonal
	Video based content*: Min. 2.21m/87" - Max. 4.064m/160" diagonal
	*Sizes shown are Optoma recommended limits, if you are looking to project content (Text, Video and images) over the recommended screen sizes please contact your local sales head to look to arrange a demo to test performance in advance.

Lamp info

Light source type	Laser
LASER life	30,000 hours

Optical

Throw ratio	0.25:1
Projection distance (m)	0.46m - 0.55m
Zoom type	Fixed
Focal length (mm)	3.72mm
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
Noise level (max)	35dB
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	Full 3D
Security	Security bar, Kensington Lock
IP rating	IP5X
OSD / display languages	1 languages:
24/7 operation	Yes
Remote control	Wired backlit PRO AV remote
Heat dissipation	1,314BTU/hour
Speaker count	1
Watts per speaker	10W
In the box	HDMI Cable, IR Remote Control, AAA Batteries x 2, Power Cord, Documentation
Optional wireless models	QuickCast Bundle, QuickCast starter kit, WHD200

Networking

LAN - control	Yes
LAN	Yes

Power

Power supply	AC 90 – 264V 50/60 Hz
Power consumption (standby)	0.5W
Power consumption (min)	225W
Power consumption (max)	335W

Weight and dimensions

Net weight	5.5kg
Dimensions (W x D x H) mm	382 x 310 x 124