

# HZ45UST

Laser 1080p Ultra Short Throw Projector

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- **Bright Full HD 1080p laser projector - 4200 ANSI Lumens**
- **Super-sized 100-inch images from only 30cm away from a flat surface or screen**
- **Enjoy live sports, TV shows and gaming in Full 1080p**
- **Easy to setup – multiple connectivity for digital devices and great sound from integrated speakers**

Super-sized 100-inch images from 30cm Experience a super-sized 100-inch image with the HZ45UST placed less than 30cm away from a flat surface\* or screen. Laser technology provides accurate, true to life colour reproduction for movies, gaming and live sports. And with high brightness and low latency it is great for playing action-packed games in any room.

An integrated speaker provides you with great sound and two HDMI inputs enables an easy setup. You can even turn it into a smart projector by connecting a HDMI dongle like the Google Chromecast™, Amazon Fire Stick or Apple TV™ to play games, stream videos and share photos on the big screen in the comfort of your own home.

\*30cm measured from the back of the projector. Like all Ultra short projectors; to get a perfect image requires a completely flat surface. As most walls are not entirely flat, to avoid slight distortion to the top of the picture, you may need to install a screen onto your projection surface for a perfect image. If this is not possible, we suggest that for non-flat walls you might be better to use a short throw projector which can throw a 100" image from just over 1m".

# Specifications

<b>Display/image</b>	
Display technology	DLP
Resolution	1080p Full HD (1920x1080)
Brightness	4,200 lumens
Contrast ratio	3,000,000:1
Native aspect ratio	16:10
Aspect ratio - compatible	4:3,16:9
Keystone correction - vertical	+/-15°
Horizontal scan rate	15.3 ~ 91.1Khz
Vertical scan rate	24 ~ 85(120 for 3D)Hz
Uniformity	80%
Screen size	2.21m ~ 2.59m (87" ~ 102") (diagonal)
<b>Lamp info</b>	
Light source type	Laser
LASER life	30,000 hours
<b>Optical</b>	
Throw ratio	0.25:1
Projection distance (m)	0.45m - 0.59m
Zoom type	Fixed
Focal length (mm)	3.72
Native offset	120%
<b>Connectivity</b>	
Connections	<b>Inputs</b> 2 x HDMI 1.4a 3D support, 2 x VGA (YPbPr/RGB), 1 x Composite video, 1 x Audio 3.5mm, 1 x Audio RCA L&R <b>Outputs</b> 1 x VGA shared with VGA2, 1 x Audio 3.5mm, 1 x USB-A power 2A <b>Control</b> 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x mini USB service, 1 x USB-A reader/wireless
<b>General</b>	
Noise level (typical)	30dB
PC compatibility	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	Security bar,Kensington Lock,Password protected interface
OSD / display languages	18 languages: Arabic,Danish,Dutch,English,Finnish,French,German,Italian,Japanese,Norwegian,Polish,Portuguese,Russian,Chinese (simplified),Spanish,Chinese (traditional),Turkish
Operating conditions	5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m
Remote control	Yes
Speaker count	1
Watts per speaker	10W
In the box	AC power cord Remote control 2x AAA batteries Basic user manual
<b>Networking</b>	
LAN - control	Yes
<b>Power</b>	
Power supply	100 ~ 240V, 50 ~ 60Hz
Power consumption (standby)	0.5W
Power consumption (min)	210W
Power consumption (max)	330W
<b>Weight and dimensions</b>	
Net weight	5.6kg
Dimensions (W x D x H) mm	382 x 310 x 124

