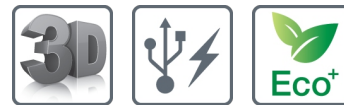# EH412ST

Short throw, bright and compact

- **Bright Full HD 1080p projector – 4000 ANSI lumens**

- **Short throw lens - 100" image from just over a metre away**

- **Easy connectivity – HDMI, VGA, USB power**

- **Clear, powerful audio - 10W speaker**

Project bright, vibrant presentations effortlessly in Full HD 1080p any time of day. Designed for small meeting rooms and classrooms, this short throw projector boasts amazing colour, long lamp life and energy-saving features to provide a lower overall cost of ownership.

Multiple inputs, USB power and a built-in speaker provide an easy set-up - perfect for connecting a laptop, PC or Blu-ray player for clear projected images with sound. You can even connect a HDMI dongle such as the Optoma HDCast Pro for wireless presentations.

Portable and lightweight this compact projector can be installed or taken on the move for off-site meetings with the optional carry bag (sold separately).

Specifications

EAN: 5055387663138, Colour: White

Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,000 lumens
Contrast ratio	22,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9
Keystone correction - vertical	+/-40°
Horizontal scan rate	15.38 ~ 91.15Khz
Vertical scan rate	50 ~ 85(120 for 3D)Hz
Uniformity	70%
Screen size	0.92m ~ 7.82m (36.2" ~ 307.8") diagonal

Lamp info

Light source type	Lamp
Lamp watts	240
Lamp life hours (up to)	4000 (Bright), 12000 (Dynamic), 10000 (Eco), 15000 (Eco+)

Optical

Throw ratio	0.49:1
Projection distance (m)	0.4m - 3.4m
Focal length (mm)	7.42mm/0.292"
Native offset	116%

Connectivity

Connections	**Inputs** 1 x HDMI 2.0, 1 x HDMI 1.4a 3D support + MHL, 1 x VGA (YPbPr/RGB), 1 x Audio 3.5mm
	Outputs 1 x Audio 3.5mm, 1 x USB-A power 1.5A
	Control 1 x RS232

General

Noise level (typical)	26dB
Noise level (max)	28dB
PC compatibility	UHD, WUXGA, 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	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
Operating conditions	5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85%
Remote control	Data remote with laser and mouse function
Speaker count	1
Watts per speaker	10W
In the box	AC power cord
	Remote control
	2x AAA batteries
	Basic user manual
Optional wireless models	HDCast Pro, QuickCast Bundle, QuickCast starter kit, WHD200

Power

Power supply	100 ~ 240V, 50 ~ 60Hz
Power consumption (standby)	0.5W
Power consumption (min)	200W
Power consumption (max)	285W

Weight and dimensions

Dimensions (W x D x H) mm	316 x 244 x 108
Gross weight	3.97 kg
Net weight	3.37 kg