

# H190X

Big screen entertainment, bright HD ready projector



- **Lights on viewing – 3,900 ANSI lumens**
- **Easy connectivity – HDMI, VGA, USB Power**
- **Clear, powerful audio - 10W speaker**
- **Lightweight and portable**

Project stunning images at any time of the day with the bright, 3,900 lumens, HD compatible, Optoma H190X. Feel the action and experience every moment on the big screen for immersive live sports, gaming and movies.



## Specifications

<b>Display/image</b>	
Display technology	DLP
Resolution	WXGA (1280x800)
Brightness	3,900 lumens
Contrast ratio	30,000:1
Native aspect ratio	16:10
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	75%
Screen size	32.24" ~ 299.53" diagonal
<b>Lamp info</b>	
Light source type	Lamp
Lamp watts	203
Lamp life hours (up to)	6000 (Bright), 12000 (Dynamic), 10000 (Eco), 15000 (Eco+)
<b>Optical</b>	
Throw ratio	1.55:1 ~ 1.73:1
Projection distance	39.37" - 472.44"
Zoom	1.1
Zoom type	Manual
Focal length (mm)	21.85 mm~24mm/0.86"~0.945"
Native offset	112%
<b>Connectivity</b>	
Connections	<b>Inputs</b> 1 x HDMI 1.4a 3D support, 1 x VGA (YPbPr/RGB), 1 x Composite video, 1 x Audio 3.5mm <b>Outputs</b> 1 x VGA, 1 x Audio 3.5mm, 1 x USB-A power 1A <b>Control</b> 1 x RS232
<b>General</b>	
Noise level (typical)	27dB
Noise level (max)	29dB
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	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	Card style
Speaker count	1
Watts per speaker	10W
In the box	AC power cord Remote control Battery Basic user manual
Optional wireless models	WHD200
<b>Power</b>	
Power supply	100 ~ 240V, 50 ~ 60Hz
Power consumption (standby)	0.5W
Power consumption (min)	187W
Power consumption (max)	225W
<b>Weight and dimensions</b>	
Dimensions (W x D x H)	12.44" x 9.61" x 4.25"
Gross weight	9.7 lbs
Net weight	6.61 lbs

