



## Optoma projector range

Spring / Summer 2015













## The clear choice for projection














Whether displaying graphics and data in the office or at home watching live sports and movies, Optoma projectors produce a bright, well balanced and true to life colour reproduction. This is essential for reaching the optimum image quality of any big screen media, whether neatly encased in a compact and portable projector or as a permanently installed display device.

[www.optoma.com](http://www.optoma.com)

- |   |  |  |
|---|--|--|
|  High resolution   |  Mobile           |  Document cameras |
|  Ultra short throw |  Ultra mobile     |  Screens          |
|  Short throw       |  Ultra mobile LED |  Accessories      |
|  Desktop / Install |  Home             |  |

# Projectors

## High resolution

Model name	<b>EH415e</b>	<b>DH1017</b>	<b>EH300</b>
			
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Aspect ratio	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible
Brightness <sup>1</sup>	4200 ANSI lumens	4200 ANSI lumens	3800 ANSI lumens
Contrast	15,000:1	10,000:1	15,000:1
Lamp life (max hrs) <sup>3</sup>	7000	4000	6000
Noise level (typical) <sup>2</sup>	35dB	28dB	26dB
Weight (kg)	3.4	3.6	3.1
Dimensions (W x D x H mm)	286 x 266 x 124	326 x 254 x 104	324 x 234 x 97
Throw ratio	1.39 ~ 2.09:1	1.59 ~ 1.91:1	1.5 ~ 1.8:1
Zoom type	1.5x manual	1.2x manual	1.2x manual
Image size (native)	0.63 - 8.22m (25" ~ 324") diagonal 16:9	0.72 - 8.67m (28.41" - 341.28") diagonal 16:9	0.77 - 9.19m (30.15" - 361.75") diagonal 16:9
Keystone correction	±40° vertical	±30° vertical	±40° vertical
Connections	2x HDMI, 1x VGA (RGB/YpPr), Composite, 2x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB service, 12V trigger	2x HDMI, DisplayPort, 2x VGA (RGB/YpPr), S-Video, Composite, 2x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB service, 12V trigger, 3D-sync	2x HDMI (1.4a 3D support), 2x VGA (YpPr/RGB), Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB remote mouse/service, 3D-sync
Speaker (W)	10	3	16
Optional wireless	WPS dongle (up to WXGA)	WPS dongle (up to WXGA)	WPS dongle (up to WXGA)
Bag	✓	✓	✓
Features	Vertical lens shift, Crestron RoomView™, PJLink	Crestron RoomView™, PJLink	
	   	  	  

## High resolution

## Ultra short throw

DH1011



DH1009



DH1008



EH320USTi


















1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
16:9 native, 4:3 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible
3500 ANSI lumens	3200 ANSI lumens	2800 ANSI lumens	4000 ANSI lumens
13,000:1	20,000:1	20,000:1	20,000:1
6000	6500	6500	6500
26dB	26dB	26dB	28dB
3.1	2.45	2.45	4.85
324 x 234 x 97	315 x 224 x 114	315 x 224 x 114	385 x 310 x 99
1.5 ~ 1.8:1	1.48 ~ 1.62:1	1.48 ~ 1.62:1	0.25:1
1.2x manual	1.1x manual	1.1x manual	Fixed
0.77 - 9.19m (30.15" - 361.75") diagonal 16:9	1.06 - 7.67m (41.8" - 300") diagonal 16:9	1.06 - 7.67m (41.8" - 300") diagonal 16:9	2.03 - 2.54m (80.0" - 100") diagonal 16:9
±40° vertical	±40° vertical	±40° vertical	±20° vertical
2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB remote mouse/service, 3D-sync	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB service	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB service	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, Audio out 3.5mm, VGA out (shared with VGA2 in), RJ45, RS232, USB-A Power, USB (interactive), 12V trigger, 3D-sync
16	10	10	16
WPS dongle (up to WXGA)	WHD200	WHD200	WPS dongle / WHD200
✓	-	-	-

100" @ 0.55m, Crestron RoomView™, PJLink, Shadow free presentations, TouchBeam Interactive



# Projectors

## Ultra short throw

Model name	EH320UST	EH319USTi	EH319UST
			
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Aspect ratio	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible
Brightness <sup>1</sup>	4000 ANSI lumens	3500 ANSI lumens	3500 ANSI lumens
Contrast	20,000:1	18,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	6500	6500	6500
Noise level (typical) <sup>2</sup>	28dB	28dB	28dB
Weight (kg)	4.78	4.85	4.78
Dimensions (W x D x H mm)	385 x 310 x 99	385 x 310 x 99	385 x 310 x 99
Throw ratio	0.25:1	0.25:1	0.25:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	2.03 - 2.54m (80.0" - 100") diagonal 16:9	2.03 - 2.54m (80.0" - 100") diagonal 16:9	2.03 - 2.54m (80.0" - 100") diagonal 16:9
Keystone correction	±20° vertical	±20° vertical	±20° vertical
Connections	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, Audio out 3.5mm, VGA out (shared with VGA2 in), RJ45, RS232, USB-A Power, USB remote mouse/service, 12V trigger, 3D-sync	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, Audio out 3.5mm, VGA out (shared with VGA2 in), RJ45, RS232, USB-A Power, USB (interactive), 12V trigger, 3D-sync	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, Audio out 3.5mm, VGA out (shared with VGA2 in), RJ45, RS232, USB-A Power, USB remote mouse/service, 12V trigger, 3D-sync
Speaker (W)	16	16	16
Optional wireless	WPS dongle / WHD200	WPS dongle / WHD200	WPS dongle / WHD200
Bag	-	-	-
Features	100" @ 0.55m, Crestron RoomView™, PULink, Shadow free presentations	100" @ 0.55m, Crestron RoomView™, PULink, Shadow free presentations, TouchBeam Interactive	100" @ 0.55m, Crestron RoomView™, PULink, Shadow free presentations
	   	   	   

## Ultra short throw

### W320USTi



### W320UST



### W307USTi



### W307UST



WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible
4000 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens	3500 ANSI lumens
20,000:1	20,000:1	15,000:1	15,000:1
6500	6500	4000	4000
28dB	28dB	30dB	30dB
4.85	4.78	7.5	7.5
385 x 310 x 99	385 x 310 x 99	357 x 367 x 231	357 x 367 x 231
0.27:1	0.27:1	0.35:1	0.35:1
Fixed	Fixed	Fixed	Fixed
2.16 - 2.92m (85.0" - 115") diagonal 16:10	2.16 - 2.92m (85.0" - 115") diagonal 16:10	1.53 - 2.54m (60.09" - 100.02") diagonal 16:10	1.53 - 2.54m (60.09" - 100.02") diagonal 16:10
±20° vertical	±20° vertical	±15° vertical	±15° vertical
2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, Audio out 3.5mm, VGA out (shared with VGA2 in), RJ45, RS232, USB-A Power, USB (interactive), 12V trigger, 3D-sync	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, Audio out 3.5mm, VGA out (shared with VGA2 in), RJ45, RS232, USB-A Power, USB remote mouse/service, 12V trigger, 3D-sync	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 4x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB (interactive), 12V trigger, Mic in	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 4x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB (optional interactive), 12V trigger, Mic in
16	16	10	10
WPS dongle / WHD200	WPS dongle / WHD200	WPS dongle	WPS dongle
-	-	-	-
100" @ 0.31m, Crestron RoomView™, PJLink, Shadow free presentations, TouchBeam Interactive	100" @ 0.31m, Crestron RoomView™, PJLink, Shadow free presentations	60" @ 0.45m, Interactive Projection, Crestron RoomView™, PJLink, Shadow free presentations	60" @ 0.45m, Crestron RoomView™, PJLink, Shadow free presentations

# Projectors

## Ultra short throw

## Short throw

### Model name

### X307USTi



### X307UST



### EH415ST



Resolution	XGA (1024 x 768)	XGA (1024 x 768)	1080p (1920 x 1080)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	16:9 native, 4:3 compatible
Brightness <sup>1</sup>	3300 ANSI lumens	3300 ANSI lumens	3500 ANSI lumens
Contrast	15,000:1	15,000:1	15,000:1
Lamp life (max hrs) <sup>3</sup>	4000	4000	7000
Noise level (typical) <sup>2</sup>	30dB	30dB	37dB
Weight (kg)	7.5	7.5	3.4
Dimensions (W x D x H mm)	357 x 367 x 231	357 x 367 x 231	286 x 266 x 124
Throw ratio	0.43:1	0.43:1	0.5:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	1.53 - 2.56m (60.09" - 100.71") diagonal 4:3	1.53 - 2.56m (60.09" - 100.71") diagonal 4:3	1.49 - 3.8m (59" - 152") diagonal 16:9
Keystone correction	±15° vertical	±15° vertical	±20° Vertical
Connections	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 4x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB (interactive), 12V trigger, Mic in	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 4x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB (optional interactive), 12V trigger, Mic in	2x HDMI, 1x VGA (RGB/YPbPr), Composite, 2x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB service, 12V trigger
Speaker (W)	10	10	10
Optional wireless	WPS dongle	WPS dongle	WPS dongle
Bag	-	-	✓
Features	60° @ 0.52m, Interactive Projection, Crestron RoomView™, PJLink, Shadow free presentations	60° @ 0.52m, Interactive Projection, Crestron RoomView™, PJLink, Shadow free presentations	Vertical lens shift, Crestron RoomView™, PJLink





## Short throw

### EH200ST



### W316ST



### W305ST



### X306ST



1080p (1920 x 1080)	WXGA (1280 x 800)	WXGA (1280 x 800)	XGA (1024 x 768)
16:9 native, 4:3 compatible	16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible	4:3 native, 16:9 compatible
3000 ANSI lumens	3600 ANSI lumens	3200 ANSI lumens	3200 ANSI lumens
20,000:1	20,000:1	18,000:1	18,000:1
6500	8000	6000	6000
26dB	29dB	29dB	30dB
2.65	2.76	2.55	2.8
315 x 224 x 114	315 x 224 x 102	288 x 220 x 86	288 x 220 x 86
0.49:1	0.524:1	0.52:1	0.626:1
Fixed	Fixed	Fixed	Fixed
1.15 - 7.67m (45.3" - 300") diagonal 16:9	1.09m - 5.62m (44.3" to 221.5") diagonal 16:10	1.13 - 5.67m (44.64" - 223.21") diagonal 16:10	1.00 - 5.0m (39.34" - 196.71") diagonal 4:3
±40° vertical	±40° vertical	±40° vertical	±40° vertical
2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-B service	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RJ45, RS232, USB remote mouse, Mic in (shared with Audio 2-In)	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB remote mouse	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RJ45, RS232, USB remote mouse, Mic in
10	10	2	10
WHD200	WPS dongle	WPS dongle	WPS dongle
✓	-	-	-
	Crestron RoomView™, PJ Link	60° @ 0.68m	60° @ 0.77m, Crestron RoomView™

# Projectors

## Short throw

## Desktop / Install

### Model name

### X305ST



### ZX212ST



### W415e



Resolution	XGA (1024 x 768)	XGA (1024 x 768)	WXGA (1280 x 800)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	16:10 native, 16:9/4:3 compatible
Brightness <sup>1</sup>	3000 ANSI lumens	2300 ANSI lumens (LED*)	4500 ANSI lumens
Contrast	18,000:1	100,000:1	15,000:1
Lamp life (max hrs) <sup>3</sup>	6000	20,000 (LED* life)	7000
Noise level (typical) <sup>2</sup>	29dB	28dB	35dB
Weight (kg)	2.55	4.5	3.4
Dimensions (W x D x H mm)	288 x 220 x 86	321 x 240 x 95	286 x 266 x 124
Throw ratio	0.626:1	0.626:1	1.46 ~ 2.2:1
Zoom type	Fixed	Fixed	1.5x manual
Image size (native)	1.00 - 5.0m (39.34" - 196.71") diagonal 4:3	0.99 - 4.89m (39.3" - 196.5") diagonal 4:3	0.63 - 8.05m (25" - 317") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Connections	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB remote mouse	HDMI, VGA (RGB/YPbPr/SCART), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, VGA out, RJ45, RS232, USB remote mouse, USB-A reader/wireless, USB-B display, SD card slot	2x HDMI, 1x VGA (RGB/YPbPr), Composite, 2x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB service, 12V trigger
Speaker (W)	2	10	10
Optional wireless	WPS dongle	Mini WiFi dongle	WPS dongle
Bag	-	-	✓
Features	60° @ 0.77m	60° @ 0.77m, Crestron RoomView™, PJLink native office viewer, Media player, LED* technology	Vertical lens shift, Crestron RoomView™, PJLink



## Desktop / Install

### W402



### W351



### W350



### X600



WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)	XGA (1024 x 768)
16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible	4:3 native, 16:9 compatible
4500 ANSI lumens	3800 ANSI lumens	3600 ANSI lumens	6000 ANSI lumens
20,000:1	20,000:1	18000:1	10,000:1
6500	8000	8000	4000
31dB	29dB	29dB	28dB
2.57	2.57	2.57	3.6
315 x 224x 102	315 x 224 x 102	315 x 224 x 102	326 x 254 x 104
1.28 ~ 1.536:1	1.55 ~ 1.7:1	1.55 ~ 1.7:1	1.8 ~ 2.11:1
1.2x manual	1.1x manual	1.1x manual	1.15x manual
0.93 - 7.65m (36.6" - 301") diagonal 16:10	0.69 - 7.61m (27.3" - 299.5") diagonal 16:10	0.69 - 7.61m (27.3" - 299.5") diagonal 16:10	0.71 - 8.34m (28.01" - 328.38") diagonal 4:3
±40° vertical	±40° vertical	±40° vertical	±30° vertical
HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, RS232, USB mouse/service	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Mic in, VGA out, Audio out 3.5mm, RJ45, RS232, USB mouse/service	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Mic in, VGA out, Audio out 3.5mm, RJ45, RS232, USB mouse/service	2x HDMI, DisplayPort, 2x VGA (RGB/YPbPr), S-Video, Composite, 2x Audio in (RCA/3.5mm), Audio out 3.5mm, VGA out, RJ45, RS232, USB service, 12V trigger, 3D-sync
10	10	10	3
WPS dongle	WPS dongle	WPS dongle	WPS dongle
✓	✓	✓	✓
Crestron RoomView™, PJLink	Crestron RoomView™, PJLink	Crestron RoomView™, PJLink	Crestron RoomView™, PJLink



# Projectors

## Desktop / Install

### Model name

### X402



### X351



### X350



Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness <sup>1</sup>	4200 ANSI lumens	3600 ANSI lumens	3400 ANSI lumens
Contrast	20,000:1	20,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	6500	8000	8000
Noise level (typical) <sup>2</sup>	31dB	29dB	29dB
Weight (kg)	2.57	2.57	2.57
Dimensions (W x D x H mm)	315 x 224 x 102	315 x 224 x 102	315 x 224 x 102
Throw ratio	1.6 ~1.92:1	1.95 ~ 2.15:1	1.95 ~ 2.15:1
Zoom type	1.2x manual	1.1x manual	1.1x manual
Image size (native)	0.78 - 7.79m (30.8" - 307") diagonal 4:3	0.69 - 7.6m (27.5" - 302.8") diagonal 4:3	0.69 - 7.6m (27.5" - 302.8") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Connections	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, RS232, USB mouse/service	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Mic in, VGA out, Audio out 3.5mm, RJ45, RS232, USB mouse/service	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Mic in, VGA out, Audio out 3.5mm, RJ45, RS232, USB mouse/service
Speaker (W)	10	10	10
Optional wireless	WPS dongle	WPS dongle	WPS dongle
Bag	✓	✓	✓
Features	Crestron RoomView™, PJLink	Crestron RoomView™, PJLink	Crestron RoomView™, PJLink
			

## Mobile

### W316



WXGA (1280 x 800)
16:10 native, 16:9/4:3 compatible
3400 ANSI lumens
20,000:1
10,000
29dB
2.35
315 x 224 x 102
1.55 ~ 1.7:1
1.1x manual
0.69 - 7.62m (27.2" - 300") diagonal 16:10
±40° vertical
HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB service
2
WPS dongle
✓



### W312



WXGA (1280 x 800)
16:10 native, 16:9/4:3 compatible
3200 ANSI lumens
20,000:1
10,000
29dB
2.35
315 x 224 x 102
1.55 ~ 1.7:1
1.1x manual
0.69 - 7.62m (27.2" - 300") diagonal 16:10
±40° vertical
HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, RS232, USB service
2
WPS dongle
-



### W311



WXGA (1280 x 800)
16:10 native, 16:9/4:3 compatible
3200 ANSI lumens
20,000:1
10,000
28dB
2
287 x 193 x 113
1.47 ~ 1.83:1
1.2x manual
0.77 - 9.63m (30.44" - 379") diagonal 16:10
±40° vertical
2x HDMI (1.4a 3D support), Audio out 3.5mm, RS232, USB remote mouse/service, USB-A power
2
WHD200
✓



### W310









WXGA (1280 x 800)
16:10 native, 16:9/4:3 compatible
3000 ANSI lumens
20,000:1
10,000
29dB
2.35
315 x 224 x 102
1.55 ~ 1.7:1
1.1x manual
0.69 - 7.62m (27.2" - 300") diagonal 16:10
±40° vertical
HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, RS232, USB service
2
WPS dongle
-



# Projectors

## Mobile

Model name	X316	DX346	X312
			
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness <sup>1</sup>	3200 ANSI lumens	3000 ANSI lumens	3200 ANSI lumens
Contrast	20,000:1	18,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB
Weight (kg)	2.35	2.35	2.35
Dimensions (W x D x H mm)	315 x 224 x 102	315 x 224 x 102	315 x 224 x 102
Throw ratio	1.95 ~ 2.15:1	1.95 ~ 2.15:1	1.95 ~ 2.15:1
Zoom type	1.1x manual	1.1x manual	1.1x manual
Image size (native)	0.70 - 7.62m (22.9" - 300") diagonal 4:3	0.70 - 7.62m (22.9" - 300") diagonal 4:3	0.70 - 7.62m (22.9" - 300") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Connections	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB service	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, RS232, USB service
Speaker (W)	2	2	2
Optional wireless	WPS dongle	WPS dongle	WPS dongle
Bag	✓	-	-
Features			

## Mobile

### DX342



### S316



### S311



### S310e



XGA (1024 x 768)	SVGA (800 x 600)	SVGA (800 x 600)	SVGA (800 x 600)
4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
3000 ANSI lumens	3200 ANSI lumens	3200 ANSI lumens	3200 ANSI lumens
18,000:1	20,000:1	20,000:1	20,000:1
10,000	10,000	10,000	10,000
29dB	29dB	28dB	29dB
2.35	2.35	2	2.35
315 x 224 x 102	315 x 224 x 102	287 x 193 x 113	315 x 224 x 102
1.95 ~ 2.15:1	1.95 ~ 2.15:1	1.97 ~ 2.17:1	1.95 ~ 2.15:1
1.1x manual	1.1x manual	1.1x manual	1.1x manual
0.70 - 7.62m (22.9" - 300") diagonal 4:3	0.70 - 7.62m (22.9" - 300") diagonal 4:3	0.69 - 7.62m (27.24" - 300.04") diagonal 4:3	0.70 - 7.62m (22.9" - 300") diagonal 4:3
±40° vertical	±40° vertical	±40° vertical	±40° vertical
HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, RS232, USB service	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB service	2x HDMI (1.4a 3D support), RS232, USB remote mouse/service, USB-A power	VGA (YPbPr/RGB), S-Video, Composite, RS232, USB service
2	2	2	2
WPS dongle	WPS dongle	WHD200	WPS dongle
-	✓	✓	-



# Projectors

## Mobile

## Ultra Mobile

### Model name

### DS340e



### W304M



### X304M



Resolution	SVGA (800 x 600)	WXGA (1280 x 800)	XGA (1024 x 768)
Aspect ratio	4:3 native, 16:9 compatible	16:10 native, 16:9, 4:3 compatible	4:3 native, 16:9 compatible
Brightness <sup>1</sup>	3000 ANSI lumens	3100 ANSI lumens	3000 ANSI lumens
Contrast	18,000:1	10,000:1	10,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	5000	5000
Noise level (typical) <sup>2</sup>	29dB	33dB	33dB
Weight (kg)	2.35	1.4	1.4
Dimensions (W x D x H mm)	315 x 224 x 102	220 x 178 x 71	220 x 178 x 71
Throw ratio	1.95 ~ 2.15:1	1.53 ~ 1.76:1	1.9 ~ 2.2:1
Zoom type	1.1x manual	1.15x manual	1.15x manual
Image size (native)	0.70 - 7.62m (22.9" - 300") diagonal 4:3	0.68 - 6.54m (31.65" - 303.44") diagonal 16:10	0.68 - 5.26m (33.58" - 259.25") diagonal 4:3
Keystone correction	±40° vertical	±30° vertical	±30° vertical
Connections	VGA (YPbPr/RGB), S-Video, Composite, RS232, USB service	HDMI (1.4a 3D support), VGA (Wireless/YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, USB remote mouse	HDMI (1.4a 3D support), VGA (Wireless/YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, USB remote mouse
Speaker (W)	2	1	1
Optional wireless	WPS dongle	WPS dongle	WPS dongle
Bag	-	✓	✓
Features		Smallest and brightest WXGA Projector	Smallest and brightest XGA Projector





## Ultra Mobile LED

### ML1500e



WXGA (1280 x 800)	WXGA (1280 x 800)
16:10 native, 16:9, 4:3 compatible	16:10 native, 16:9, 4:3 compatible
1500 LED brightness <sup>§</sup>	700 LED brightness <sup>§</sup>
20,000:1	15,000:1
20,000 (LED life)	20,000 (LED life)
30dB	30dB
1.4	0.38
270 x 170 x 42	105 x 106 x 39
1.4:1	1.5:1
Fixed	Fixed
0.43 - 2.54m (17" - 100") diagonal 16:10	0.43 - 2.54m (17" - 100") diagonal 16:10
±40° vertical (auto)	±40° vertical
HDMI, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, SD card slot, 2x USB-A reader/wireless, micro USB	HDMI + MHL v1.0, Universal I/O - VGA / Audio out 3.5mm, microSD card slot, USB-A reader/wireless
6	1
Mini WiFi dongle	Mini WiFi dongle
✓	✓
Native office viewer, Media player, LED light source, Optional wireless presenting	Native office viewer, Media player, 1.5GB memory, LED light source, Optional wireless presenting



### ML750e

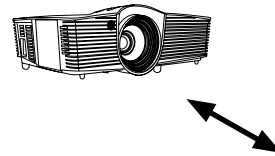


WXGA (1280 x 800)	WXGA (1280 x 800)
16:10 native, 16:9, 4:3 compatible	16:10 native, 16:9, 4:3 compatible
1500 LED brightness <sup>§</sup>	700 LED brightness <sup>§</sup>
20,000:1	15,000:1
20,000 (LED life)	20,000 (LED life)
30dB	30dB
1.4	0.38
270 x 170 x 42	105 x 106 x 39
1.4:1	1.5:1
Fixed	Fixed
0.43 - 2.54m (17" - 100") diagonal 16:10	0.43 - 2.54m (17" - 100") diagonal 16:10
±40° vertical (auto)	±40° vertical
HDMI, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, SD card slot, 2x USB-A reader/wireless, micro USB	HDMI + MHL v1.0, Universal I/O - VGA / Audio out 3.5mm, microSD card slot, USB-A reader/wireless
6	1
Mini WiFi dongle	Mini WiFi dongle
✓	✓
Native office viewer, Media player, LED light source, Optional wireless presenting	Native office viewer, Media player, 1.5GB memory, LED light source, Optional wireless presenting



View the distance calculator on our website to see which projector best suits your room size requirements

[www.optoma.com](http://www.optoma.com)



Optoma also has a full range of LED lighting.

To see the range please visit [www.optoma.com](http://www.optoma.com)



## PROSCENE

Optoma has a full range of professional AV projectors.

To see the range please visit [www.optoma.com](http://www.optoma.com)



## NU FORCE





















Optoma has a full range of Audio products.

To see the range please visit [www.optoma.com](http://www.optoma.com)



# Projectors

## Home

Model name	HD91+	HD90+	HD50
			
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness <sup>1</sup>	1300 ANSI lumens	1600 ANSI lumens	2200 ANSI lumens
Contrast	600,000:1	600,000:1	50,000:1
Lamp life (max hrs) <sup>3</sup>	20,000 (LED life)	20,000 (LED life)	7000
Noise level (typical) <sup>2</sup>	23dB	23dB	29dB
Weight (kg)	7	6.5	3.8
Dimensions (W x D x H mm)	345 x 443 x 161.5	345 x 443 x 161.5	286 x 266 x 124
Throw ratio	1.5 ~ 2.89:1	1.22 ~ 1.52:1	1.39 ~ 2.09:1
Zoom type	1.9x manual	1.25x manual	1.5x manual
Keystone correction	±30° vertical	±30° vertical	±30° vertical
Connections	2x HDMI (v1.4a 3D), Component Video, VGA (YPbPr/RGB), Composite, RS232, 2x 12V trigger, 3D-sync, USB-A power, USB service	2x HDMI (v1.4a 3D), Component Video, VGA (YPbPr/RGB), Composite, RS232, 2x 12V trigger, 3D-sync, USB-A power, USB service	2x HDMI (1.4a 3D support), VGA (RGB/YPbPr), Component, Composite, RS232, 12V trigger, 3D-sync, USB-A power, USB service
Speaker (W)	-	-	-
Video compatibility	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D
Optional wireless	WHD200	WHD200	WHD200
Features	LED technology, DynamicBlack, PureMotion, Lens shift ±60% V, ±10% H	LED technology, DynamicBlack, PureMotion, Lens shift ±60% V, ±10% H	Vibrant colours, DynamicBlack technology, PureMotion, Vertical lens shift +15%
	     	     	    

**HD161X**



**HD36**



**HD151X**



**HD26**



1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
2000 ANSI lumens	3000 ANSI lumens	2800 ANSI lumens	3200 ANSI lumens
40,000:1	30,000:1	28,000:1	25,000:1
7000	4000	4000	6500
29dB	27dB	27dB	26dB
3.8	4.5	4.5	2.45
286 x 266 x 124	386 x 280 x 162	386 x 280 x 162	315 x 224 x 114
1.39 ~ 2.09:1	1.37 ~ 2.05:1	1.37 ~ 2.05:1	1.48 ~ 1.62:1
1.5x manual	1.5x manual	1.5x manual	1.1x manual
±30° vertical	±40° vertical	±40° vertical	±40° vertical
2x HDMI (1.4a 3D support), VGA (RGB/YPbPr), Component, Composite, RS232, 12V trigger, 3D-sync, USB-A power, USB service	HDMI (1.4a 3D support), DVI-D, 2x VGA (RGB/YPbPr), Composite, S-Video, 3x Audio in, Mic in, VGA out, Audio out, RS232, 12V trigger, 3D-sync, USB service, USB-A power	HDMI (1.4a 3D support), DVI-D, 2x VGA (RGB/YPbPr), Composite, S-Video, 3x Audio in, Mic in, VGA out, Audio out, RS232, 12V trigger, 3D-sync, USB service, USB-A power	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB service
-	30	30	10
480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D
WHD200	WHD200	WHD200	WHD200
Vibrant colours, DynamicBlack technology, PureMotion, Vertical lens shift +15%	Vibrant colours, DynamicBlack technology, Vertical lens shift +20%	Vibrant colours, DynamicBlack technology, Vertical lens shift +20%	DynamicBlack technology

# Projectors

## Home

### Model name

### HD141X









### GT1080



### GT1070X



Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness <sup>1</sup>	3000 ANSI lumens	2800 ANSI lumens	2600 ANSI lumens
Contrast	23,000:1	25,000:1	23,000:1
Lamp life (max hrs) <sup>3</sup>	6500	6500	6500
Noise level (typical) <sup>2</sup>	26dB	26dB	26dB
Weight (kg)	2.45	2.65	2.65
Dimensions (W x D x H mm)	315 x 224 x 114	315 x 224 x 114	315 x 224 x 114
Throw ratio	1.48 ~ 1.62:1	0.49:1	0.49:1
Zoom type	1.1x manual	Fixed	Fixed
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Connections	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB service	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB service	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB service
Speaker (W)	10	10	10
Video compatibility	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D
Optional wireless	WHD200	WHD200	WHD200
Features	DynamicBlack technology	DynamicBlack technology	DynamicBlack technology
	    	    	    

# Home

## GT760



720p (1280 x 800 native)

3400 ANSI lumens

20,000:1

6000

29dB

2.55

288 x 220 x 86

0.52:1

Fixed

±40° vertical

HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB remote mouse/service

2

480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D

WHD200



## H111



720p (1280 x 800 native)

3200 ANSI lumens

25,000:1

7000

26dB

2.5

316 x 224 x 124

1.47 ~ 1.83:1

1.2x manual

±40° vertical

HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), S-Video, Composite, 2x Audio in 3.5mm, Audio out 3.5mm, VGA out, RS232, USB remote mouse/service, USB-A power

2

480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D

WHD200



## H181X



720p (1280 x 800 native)

3200 ANSI lumens

23,000:1

7000

28dB

2

287 x 193 x 113

1.47 ~ 1.83:1

1.2x manual

±40° vertical

2x HDMI (1.4a 3D support), Audio out 3.5mm, RS232, USB remote mouse/service, USB-A power

2

480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p60, 1080p50, HDMI 1.4a 3D

WHD200



Optoma genuine lamp modules are designed specifically and uniquely for Optoma projectors.

To see the range please visit [www.optoma.com](http://www.optoma.com)



# Document cameras

Model name

DC350

DC450



Resolution	XGA / 720p	XGA, UXGA, 720 and 1080 support
Camera	5MP	8MP
Zoom	5x optical, 8x digital	10x optical, 8x digital
SD card support	✓	✓
Video recording	✓ (via USB or SD card)	✓ (via USB or SD card)
Microscope adaptors	✓	✓
Connections	VGA out, VGA in plus USB, power over USB	VGA in/out, HDMI in/out
Features	Image rotation, mirror, freeze, compare	Image rotation, mirror, freeze, compare



## Ultimate big screen experience




Optoma projection screens are highly versatile, easy to operate and suitable for almost any application including meeting rooms, large auditoriums, theatres and home use. The screens are available in several styles including manual pull-down, electric and tab tension with in-site I/R, and portable lift.

The matte white fabric enables unlimited viewing angles and precise reproduction of colour. The screen surface is water, flame retardant and mould resistant and can be wall or ceiling mounted.






## Screens

### Manual pull down

Model name	DS-3084PWC	DS-3100PMG+	DS-3120PMG+
			
Format	4:3	4:3	4:3
Gain	1	1	1
Screen material	Glass-fibre, matte white	Glass-fibre, matte white	Glass-fibre, matte white
Viewing size (W x H mm)	1710 x 1280	2030 x 1520	2340 x 1755
Diagonal viewing (inch)	84	100	120
Black border R & L (mm)	40	50	47
Black border bottom (mm)	35	60	45
Black border top (mm)	80	80	80
Weight (kg)	8.96	11.13	13.6
Case dimensions (W x D x H mm)	1910 x 112 x 86 (including brackets)	2250 x 112 x 86 (including brackets)	2554 x 112 x 86 (including brackets)

### Manual pull down

### Tab tension

Model name	DS-1109PMG+	DS-1123PMG+	DE-1109ETT
			
Format	16:10	16:10	16:10
Gain	1	1	1
Screen material	Glass-fibre, matte white	Glass-fibre, matte white	PS series flexible fabric, matte white
Viewing size (W x H mm)	2340 x 1463	2656 x 1660	2346 x 1466
Diagonal viewing (inch)	109	123	109
Black border R & L (mm)	47	50	80
Black border bottom (mm)	40	40	55
Black border top (mm)	300	300	400
Weight (kg)	13.38	20	18.4
Case dimensions (W x D x H mm)	2554 x 112 x 86 (including brackets)	2920 x 118 x 132	2843 x 142 x 152



## Manual pull down

### DS-9072PWC



16:9
1
Glass-fibre, matte white
1594 x 897
72
50
55
300
8.96
1814 x 112 x 86 (including brackets)

### DS-9084PMG+



16:9
1
Glass-fibre, matte white
1860 x 1045
84
50
35
300
9.92
2080 x 112 x 86 (including brackets)

### DS-9092PWC



16:9
1
Glass-fibre, matte white
2030 x 1145
92
50
60
300
11.3
2250 x 112 x 86 (including brackets)

### DS-1095PMG+



16:10
1
Glass-fibre, matte white
2030 x 1269
95
50
60
300
11.3
2250 x 112 x 86 (including brackets)

## Tab tension

## Electric

### DE-1123ETT



16:10
1
PS series flexible fabric, matte white
2656 x 1660
123
80
55
400
20.7
3158 x 142 x 152

### DE-3100EGA



4:3
1
Glass-fibre, matte white
2030 x 1520
100
50
55
80
12.5
2280 x 108 x 113

### DE-3120EGA



4:3
1
Glass-fibre, matte white
2400 x 1800
120
50
55
80
14.8
2650 x 108 x 113




### DE-9092EGA



16:9
1
Glass-fibre, matte white
2030 x 1145
92
50
55
300
12.27
2280 x 108 x 113

## Electric

---

Model name	DE-9106EGA	DE-9120EGA	DE-1095EGA
			
Format	16:9	16:9	16:10
Gain	1	1	1
Screen material	Glass-fibre, matte white	Glass-fibre, matte white	Glass-fibre, matte white
Viewing size (W x H mm)	2340 x 1320	2656 x 1494	2030 x 1269
Diagonal viewing (inch)	106	120	95
Black border R & L (mm)	50	50	50
Black border bottom (mm)	55	55	50
Black border top (mm)	300	300	300
Weight (kg)	14.2	16	12.27
Case dimensions (W x D x H mm)	2590 x 108 x 113	2983 x 108 x 113	2280 x 108 x 113

## Manual pull up

---

Model name	DP-9046MWL	DP-1082MWL	DP-1095MWL
			
Format	16:9	16:10	16:10
Gain	1	1	1
Screen material	Glass-fibre, matte white	Glass-fibre, matte white	Glass-fibre, matte white
Viewing size (W x H mm)	1016 x 572	1770 x 1106	2030 x 1267
Diagonal viewing (inch)	46	82	95
Black border R & L (mm)	25	28	35
Black border bottom (mm)	210	907	698
Black border top (mm)	20	25	35
Weight (kg)	2.8	6.46	7.5
Case dimensions (W x D x H mm)	1124 x 140 x 84	1930 x 115 x 155	2192 x 115 x 155

## Electric

## Manual pull up

### DE-1109EGA



16:10

1

Glass-fibre, matte white

2340 x 1463

109

47

50

300

14.2

2590 x 108 x 113

### DE-1123EGA



16:10

1

Glass-fibre, matte white

2340 x 1755

120

50

50

300

16

2906 x 108 x 113

### DP-3072MWL



4:3

1

Glass-fibre, matte white

1463 x 1097

72

35

680

25

5.63

1620 x 115 x 115

### DP-3084MWL



4:3

1

Glass-fibre, matte white

1707 x 1280

84

35

800

25

6.33

1867 x 115 x 115



# Accessories

## Ceiling mount

OCM818W-RU / OCM818B-RU



Universal flush ceiling mount – available in black and white.

## Ceiling mount

OCM815B / OCM815W



Universal pole ceiling mount – available in black and white, with extension pole.

## Wall mount

OWM2000



Wall mount with adjustable mounting plate for easy installation. Designed for the Optoma 320/319 ultra short throw projector range.

## Wall mount

OWM1000



Telescopic wall mount with adjustable mounting plate for easy installation. Designed for the Optoma 307UST ultra short throw projector range.

## Wall mount

OWM855W



Telescopic wall mount with height adjustment plate for easy installation. Designed for the Optoma short throw projector range.

## Interactive module

SP.8PE13G001



Upgrade your X307UST / W307UST with the interactive module. Up to two students can work together at the board using the easy annotation software provided. Includes interactive module and 2x interactive pens.

## Interactive pens

SP.8UP06GC01



Additional interactive pens (two) for the X307USTi / W307USTi.

## WizTeach interactive software

75.8JQ06G001



WizTeach software offers a collection of interactive tools across a broad range of subjects. WizTeach works with any Optoma interactive UST projector and is designed for use over a browser or any application on a PC or Mac.

### Wall mount adapter

EWMA2000



Upgrade your Epson BrightLink, BrightLink Pro and PowerLite ultra short throw projector with an Optoma 320/ 319 UST projector. Compatible with Epson projector mounts (ELPMB28 / ELPMB43).

### WPS dongle

BI-EXTBG03



WPS dongle lets you connect and display presentation and video material wirelessly. External power adaptor (supplied) may be required.

### Mini WiFi dongle

SP.8JQ02GC01



Mini WiFi dongle lets you share photos, presentations and videos\* wirelessly. Ideal for use with the Optoma ultra short throw interactive, LED+ and ML series projectors – powered via USB input.

\*Wireless video support on the LED+ and ML series only.

### 1080p 3D wireless HDMI system

WHD200



Stream video content wirelessly to a projector or TV from a Blu-ray™ player, set-top box, gaming console or AV receiver; the WHD200 is capable of streaming 1080p formats including 24, 50 and 60Hz up to 20 metres in any room.

### Tripod



Pocket-sized tripod with universal mounting point. Designed for use with the Optoma ML750e ultra mobile projector, cameras, camcorders and other lightweight devices.

### ZF2300 3D glasses

Starter kit - E1A3E0000001  
Glasses - E1A3E0000002



### ZD302 3D glasses

E1A3E0000003



Technology	Wireless	DLP® Link™
Rechargeable	✓	✓
Weight (g)	39	32
Battery life (max hrs)	60	40
Max range (m)	15	15
Included in the box	Soft carry bag, cleaning cloth and charging cable. (Starter kit includes emitter, 3D-sync cable)	Soft carry bag, cleaning cloth, 2x nose pieces, charging cable.
Projector compatibility	Optoma projectors with 3D sync connection.	Optoma 3D Ready and Full 3D projectors.

# Icons



## Full HD 1080p

1080p resolution gives you sharp and detailed images from HD content without downscaling or compression; perfect for watching Blu-ray movies, HD broadcasting and playing video games.



## HD Ready

HD Ready projectors can display 720p/1080i High Definition pictures. You'll still see a big improvement from 720p/1080i HD pictures, though you won't see every last detail from sources such as Blu-ray (1080p) discs.



## Full 3D

Full 3D projectors can display true 3D content from almost any 3D source, including 3D Blu-ray players, 3D broadcasting and the latest generation games consoles. Support for 144Hz rapid refresh rate provides ultra-smooth flicker free images.



## 3D ready

3D Ready projectors can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D; perfect for business and education applications.



## LED

Lamp free LED projectors are more energy-efficient than lamp based projectors and have a much longer life span (up to 20,000 hours).



## LED+

LED+ projectors use LED and LASER technology, combining the benefits of both higher efficiency and higher brightness.



## Eco+

Eco+ technology brings together high contrast, improved lamp life and energy saving features that are easy to use while reducing power consumption.



## MHL®

Turn your projector into a smart display by connecting a smartphone or tablet with a single cable using MHL to play games, stream videos and share photos on the big screen.



## 24 frames per second (FPS)

Most movies are shot at 24 frames per second (fps). Optoma projectors can accept high definition sources at 24 fps to display movies exactly as the director intended.



## USB power

USB power can be used to power a HDMI dongle, such as Google Chromecast or the Optoma WHD200 wireless HDMI device.



## Speakers

Built-in speakers provide exceptional sound quality and are easy to set up without the need for costly external speakers.



## Vertical lens shift

Vertical lens shift gives you the ability to move the projected image up or down, while keeping the projector stationary. This makes it easier to position the projector in your room and enables a wider range of screen size options.



## Full lens shift

Full lens shift gives you the ability to move the projected image up or down and left or right, while keeping the projector stationary. This makes it easier to position the projector in your room and enables a wider range of screen size options.



## Media player

A handy integrated media player means you can use the projector as a stand-alone device, retrieving content from the internal memory, USB stick or a memory card.



## Ultra short throw

An ultra short throw lens produces an impressive image greater than 100 inches from less than a metre away. This means you can place the projector closer to the wall, reducing shadows so you can present with ease; perfect for interactive applications.



## Short throw

A short throw lens produces larger screen sizes from a shorter distance. This means you can get a 100 inch image, with the projector placed just over a metre away from the screen or wall.



## TouchBeam interactive technology

Optoma's finger-touch technology allows several people to work simultaneously on the projected screen without using a pen. TouchBeam makes it easy to open documents or web browsers and draw, annotate, zoom and rotate images on the projected image.



## SRS WOW HD™

WOW HD™ significantly improves the playback quality of audio, delivering a dynamic 3D entertainment experience with deep, rich bass and high frequency clarity for crisp detail.

# Key definitions



All Optoma projectors use DLP® technology, pioneered by Texas Instruments. This technology uses millions of mirrors to produce high quality images and ensures the projectors do not suffer colour degradation over time.

For more information on DLP visit  
[www.optomaeurope.com/projectortechnology/DLP](http://www.optomaeurope.com/projectortechnology/DLP)



## Resolution

A projector's native resolution is the number of pixels that it has available to create an image. The greater the resolution of a projector, the greater the detail and sharpness of the projected image.

## Brightness

Brightness is the light output of the projector. The brightness rating (ANSI lumen or LED brightness) is a measurement of the light energy being generated by the projector itself.

## Contrast

Contrast is the difference between the brightest and darkest parts in an image. A high contrast is particularly important for home projectors as it produces a picture with a deeper black level and clearly defined shadow detail.

## Aspect ratio

A projector's aspect ratio refers to the ratio between its width and height. For example, a 4:3 display produces an image that is more square, where a 16:9 ratio produces an image that is more rectangular in shape. The most common video projector aspect ratios are 4:3 (XGA and SXGA), 16:10 (WXGA and WUXGA) and 16:9 (standard HDTV, 1080p).

## Throw ratio

Throw ratio is the ratio between the projection distance and image width. For example, a throw ratio of 2:1 means to achieve every unit of screen width requires 2 units of projection distance. Normally quoted as a range as most projectors have a zoom facility.

## Keystone correction

Keystone correction is performed digitally before the image passes through the lens. It can be used to manipulate the projected image vertically and/or horizontally so that you can get it as close to an even rectangle as possible.

## Lens shift

Lens shift gives you the ability to move the projected image up or down and left or right, while keeping the projector stationary. This makes it easier to position the projector in your room and enables a wider range of screen size options.

## PureMotion

Using sophisticated frame-interpolation technology, advanced motion control processing eliminates motion blurring or image judder, even in high-speed action sequences.

## DynamicBlack

This feature gives more depth to your image by smoothly adjusting the lamp output, based on the brightness information of each frame; to create a stunning high contrast ratio. Bright scenes appear crisp and clear, while dark scenes remain detailed with deep blacks and exceptional light and shade detail.



[www.optoma.com](http://www.optoma.com)