Optoma

Optoma projector range
Spring 2019

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.

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- Ultra short throw
- Short throw
- Desktop / Install
- Mobile
- Ultra mobile
- Ultra mobile LED
- Home
- Document cameras
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Projectors

Ultra short throw

Model name	EH320USTi	EH320UST	EH319USTi
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[1]	4000 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens
Contrast	20,000:1	20,000:1	18,000:1
Lamp life (max hrs)[3]	6500	6500	6500
Noise level (typical)[2]	28dB	28dB	28dB
Weight (kg)	4.85	4.78	4.85
Dimensions (W x D x H mm)	385 x 310 x 120	385 x 310 x 120	385 x 310 x 120
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	±5° vertical	±5° vertical	±5° vertical
Offset	118%	118%	118%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A) RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)
Speaker (W)	16	16	16
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-
Features	100" @ 0.55m, Crestron RoomView™, PJLink™, Shadow free presentations, TouchBeam Interactive	100" @ 0.55m, Crestron RoomView™, PJLink™, Shadow free presentations	100" @ 0.55m, Crestron RoomView™, PJLink™, Shadow free presentations, TouchBeam Interactive

Ultra short throw

Model name	EH330UST	W320USTi	W320UST	W319USTie
Resolution	1080p (1920 x 1080)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:9 native, 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
Brightness[1]	3600 ANSI lumens	4000 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1	18,000:1
Lamp life (max hrs)[3]	15000	6500	6500	10,000
Noise level (typical)[2]	25dB	28dB	28dB	26dB
Weight (kg)	3.9	4.85	4.78	4.63
Dimensions (W x D x H mm)	343 x 383 x 112	385 x 310 x 120	385 x 310 x 120	385 x 310 x 120
Throw ratio	0.25:1	0.27:1	0.27:1	0.27:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Image size (native)	2.03 - 2.54m (80.0" - 100") diagonal 16:9	2.16 - 2.92m (85.0" - 115") diagonal 16:10	2.16 - 2.92m (85.0" - 115") diagonal 16:10	2.16 - 2.92m (85.0" - 115") diagonal 16:10
Keystone correction	±4° vertical, ±4° horizontal	±15° vertical	±15° vertical	±15° vertical
Offset	118%	115%	115%	115%
Lens shift	-	-	-	-
Connections	2x HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, 2x USB-A reader/wireless, RJ45, RS232	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A) RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)
Speaker (W)	16	16	16	16
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-	-
Features	100" @ 0.55m, Crestron RoomView™, PJLink™, Optional wireless, HDCast Pro app support	100" @ 0.31m, Crestron RoomView™, PJLink™, Shadow free presentations, TouchBeam Interactive	100" @ 0.31m, Crestron RoomView™, PJLink™, Shadow free presentations	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations, TouchBeam Interactive

Projectors

Ultra short throw

Model name	W319USTir	W319USTire	W319USTi
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	3300 ANSI lumens	3500 ANSI lumens	3300 ANSI lumens
Contrast	18,000:1	18,000:1	18,000:1
Lamp life (max hrs)[3]	10,000	10,000	10,000
Noise level (typical)[2]	26dB	26dB	26dB
Weight (kg)	4.63	4.63	4.63
Dimensions (W x D x H mm)	385 x 310 x 120	385 x 310 x 120	385 x 310 x 120
Throw ratio	0.27:1	0.27:1	0.27:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	2.16 - 2.92m (85.0" - 115") diagonal 16:10	2.16 - 2.92m (85.0" - 115") diagonal 16:10	2.16 - 2.92m (85.0" - 115") diagonal 16:10
Keystone correction	±15° vertical	±15° vertical	±15° vertical
Offset	115%	115%	115%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)
Speaker (W)	16	16	16
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-
Features	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations, IR Pen Interactive	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations, IR Pen Interactive	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations, TouchBeam Interactive

Ultra short throw

Model name	W330UST	X320USTi	X320UST	X330UST
Resolution	WXGA (1280 x 800)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness[1]	3600 ANSI lumens	4000 ANSI lumens	4000 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1	20,000:1
Lamp life (max hrs)[3]	15000	6500	6500	15000
Noise level (typical)[2]	25dB	28dB	28dB	25dB
Weight (kg)	3.9	4.85	4.78	3.9
Dimensions (W x D x H mm)	343 x 383 x 112	385 x 310 x 120	385 x 310 x 120	343 x 383 x 112
Throw ratio	0.27:1	0.33:1	0.33:1	0.33:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Image size (native)	2.16 - 2.92m (85.0" - 115") diagonal 16:10	1.77 - 2.54m (70.0" - 100") diagonal 4:3	1.77 - 2.54m (70.0" - 100") diagonal 4:3	1.77 - 2.54m (70.0" to 100") diagonal 4:3
Keystone correction	±4° vertical, ±4° horizontal	±15° vertical	±15° vertical	±4° vertical, ±4° horizontal
Offset	115%	117%	117%	117%
Lens shift	-	-	-	-
Connections	2x HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, 2x USB-A reader/wireless, RJ45, RS232	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, USB-A power (2A), RJ45, RS232, 12V trigger, 3D-sync, mini USB (interactive)	2x HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, 2x USB-A reader/wireless, RJ45, RS232
Speaker (W)	16	16	16	16
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-	-
Features	100" @ 0.31m, Crestron RoomView™, PJLink™, Optional wireless, HDCast Pro app support	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations, TouchBeam Interactive	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations	100" @ 0.31m, Crestron RoomView™, PJLink™, Shadow free presentations

Projectors

Short throw

Model name	EH460ST	EH415ST	EH200ST
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[1]	4200 ANSI lumens	3500 ANSI lumens	3000 ANSI lumens
Contrast	20,000:1	15,000:1	20,000:1
Lamp life (max hrs)[3]	4500	7000	6500
Noise level (typical)[2]	29dB	37dB	26dB
Weight (kg)	2.95	3.4	2.65
Dimensions (W x D x H mm)	345 x 216 x 109	286 x 266 x 124	315 x 224 x 114
Throw ratio	0.5:1	0.5:1	0.49:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	1.51 - 3.88m (59.6" - 152.7") diagonal 16:9	1.49 - 3.8m (59" - 152") diagonal 16:9	1.15 - 7.67m (45.3" - 300") diagonal 16:9
Keystone correction	±40° vertical	±20° vertical	±40° vertical
Offset	115%	115%	116%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL v2.0, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	2x HDMI (1.4a 3D support), 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in (RCA/3.5mm), VGA out, Audio out 3.5mm, USB-A power (1.5A), RJ45, RS232, 12V trigger, mini USB mouse/service	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, mini USB service
Speaker (W)	10	10	10
Optional wireless	WHD200 / WUSB / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200
Bag	-	✓	✓
Features	Crestron RoomView™, PJLink™, HV keystone Office viewer, Optional wireless	Crestron RoomView™, PJLink™	90° @ 1m

Full HD 1080p · 3D · Eco | Full HD 1080p · 3D · Eco | Full HD 1080p · 3D · Eco

Short throw

Model name	ZW310STe	W460ST	W318STe	W308STe
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	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
Brightness[1]	3600 ANSI lumens	4200 ANSI lumens	3600 ANSI lumens	3600 ANSI lumens
Contrast	100,000:1	20,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	20,000	4500	15,000	15,000
Noise level (typical)[2]	30dB	29dB	28dB	28dB
Weight (kg)	5.6kg	2.95	3	3
Dimensions (W x D x H mm)	383 x 310 x 124	345 x 216 x 109	316 x 244 x 108	316 x 244 x 108
Throw ratio	0.62:1	0.525:1	0.52:1	0.52:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Image size (native)	1.78 - 2.54m (70" - 100") diagonal 16:10	1.48 - 3.8m (58.4" - 149.5") diagonal 16:10	0.91 - 7.7m (35.64" - 302.98") diagonal 16:10	0.91 - 7.7m (35.64" - 302.98") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	118%	112%	112%	112%
Lens shift	-	-	-	-
Connections	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, RJ45, RS232, mini USB serivce	2x HDMI (1.4a 3D support) + MHL v2.0, VGA, (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr), Composite, Audio in 3.5mm, Mic in, VGA out, Audio out 3.5mm RJ45, RS232, USB-A Power	HDMI (1.4a 3D support), VGA (RGB/YPbPr), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm RS232, USB-A Power
Speaker (W)	10	10	10	10
Optional wireless	WHD200	WHD200 / WUSB / QuickCast	WHD200 / HDCast Pro	WHD200 / HDCast Pro
Bag	-	-	-	-
Features	Crestron RoomView™, PJLink	HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJ Link	-

Full HD 1080p · 3D · Eco | HD READY · 3D · Eco | HD READY · 3D · Eco | HD READY · 3D · Eco

Projectors

Short throw

Model name	ZX310STe	X318STe	X308STe
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[1]	3500 ANSI lumens	3500 ANSI lumens	3500 ANSI lumens
Contrast	100,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	20,000	15,000	15,000
Noise level (typical)[2]	30dB	28dB	28dB
Weight (kg)	5.6	3	3
Dimensions (W x D x H mm)	383 x 310 x 124	316 x 244 x 108	316 x 244 x 108
Throw ratio	0.52:1	0.617:1	0.617:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	1.52 - 2.54m (60" - 100") diagonal 4:3	0.81 - 26.28m (31.9" - 247.3") diagonal 4:3	0.81 - 26.28m (31.9" - 247.3") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	115%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB), Composite, 2x Audio in (RCA/3.5mm), Mic in, VGA out (shared with VGA2 in), Audio out 3.5mm, RJ45, RS232, mini USB serivce	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr), Composite, Audio in 3.5mm, Mic in, VGA out, Audio out 3.5mm, RJ45, RS232, USB-A Power	HDMI (1.4a 3D support), VGA (RGB/YPbPr), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power
Speaker (W)	10 ×	10	10
Optional wireless	WHD200	WHD200 / HDCast Pro	WHD200 / HDCast Pro
Bag	-	-	-
Features	Laser, Crestron RoomView™, PJLink	Crestron RoomView™, PJLink™	-

Desktop / Install

Model name	WU470	WU416	DU400	EH512
Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	1080p (1920 x 1080)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:9 native, 4:3 compatible
Brightness[1]	5000 ANSI lumens	4200 ANSI lumens	4000 ANSI lumens	5000 ANSI lumens
Contrast	20,000:1	20,000:1	15,000:1	15,000:1
Lamp life (max hrs)[3]	4500	7000	7000	7000
Noise level (typical)[2]	29dB	32dB	32dB	30dB
Weight (kg)	2.95	2.99	2.99	4.6
Dimensions (W x D x H mm)	345 x 216 x 109	315 x 224 x 114	315 x 224 x 114	336 x 258 x 105
Throw ratio	1.39 ~ 2.09:1	1.4 ~ 2.24:1	1.4 ~ 2.24:1	1.41 ~ 2.24:1
Zoom type	1.5x manual	1.6x manual	1.6x manual	1.6x manual
Image size (native)	0.68 - 8.48m (26.6" - 334") diagonal 16:10	0.68 - 7.75m (26.94" - 305.1") diagonal 16:10	0.68 - 7.75m (26.94" - 305.1") diagonal 16:10	0.67 - 7.65m (26.2" - 301.1") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±30° vertical and horizontal
Offset	108%	94%	94%	99%~116%
Lens shift	-	V +13%	V +13%	V +17%
Connections	2x HDMI (1.4a 3D support) + MHL v2.0, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	2x HDMI (1.4a 3D support) + MHL v2.2, 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A power (1A), RJ45, RS232, mini USB mouse/service	2x HDMI (1.4a 3D support) + MHL v2.2, 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A power (1A), RJ45, RS232, mini USB mouse/service	2xHDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 3D-Sync, 12V trigger
Speaker (W)	10	10	10	2 x 10
Optional wireless	WHD200 / WUSB / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	WUSB / WHD200
Bag	-	-	-	-
Features	Crestron RoomView™, PJLink™, HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™	Vertical lens shift, Crestron RoomView™, PJLink™

Projectors

Desktop / Install

Model name	EH470	EH461	EH416
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[1]	5000 ANSI lumens	5000 ANSI lumens	4200 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1
Lamp life (max hrs)[3]	4500	4500	7000
Noise level (typical)[2]	29dB	29dB	32dB
Weight (kg)	2.95	2.95	2.99
Dimensions (W x D x H mm)	345 x 216 x 109	345 x 216 x 109	315 x 224 x 114
Throw ratio	1.39 ~ 2.09:1	1.22 ~ 1.46:1	1.4 ~ 2.24:1
Zoom type	1.5x manual	1.2x manual	1.6x manual
Image size (native)	0.66 - 8.25m (25.9" - 324.9") diagonal 16:9	0.96 - 5.3 (37.98" - 208.5") diagonal 16:9	0.66 - 7.7m (26.21" - 303.3") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	99%
Lens shift	-	-	V +17%
Connections	2x HDMI (1.4a 3D support) + MHL v2.0, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	2x HDMI (1.4a 3D support) + MHL v2.0, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	2x HDMI (1.4a 3D support) + MHL v2.2, 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A power (1A), RJ45, RS232, mini USB mouse/service
Speaker (W)	10	10	10
Optional wireless	WUSB / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-
Features	Crestron RoomView™, PJLink™, HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJLink™, HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJLink™

Desktop / Install

Model name	DH401	EH400+	W461	W416
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	4000 ANSI lumens	4000 ANSI lumens	5000 ANSI lumens	4500 ANSI lumens
Contrast	15,000:1	22,000:1	20,000:1	20,000:1
Lamp life (max hrs)[3]	7000	8000	4500	7000
Noise level (typical)[2]	32dB	29dB	29dB	32dB
Weight (kg)	2.99	2.52	2.95	2.99
Dimensions (W x D x H mm)	315 x 224 x 114	298 x 230 x 96.5	345 x 216 x 109	315 x 224 x 114
Throw ratio	1.4 ~ 2.24:1	1.13 - 1.47:1	1.28 ~ 1.54:1	1.47 ~ 2.35:1
Zoom type	1.6x manual	1.3x	1.2x manual	1.6x manual
Image size (native)	0.66 - 7.7m (26.21" - 303.3") diagonal 16:9	0.58 - 6.4m (22.9" - 300") diagonal 16:9	0.94 - 5.21 (37.2" - 204.2") diagonal 16:10	0.65 - 7.7m (25.66" - 303.2") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	99%	115%	111%	96.20%
Lens shift	V +17%	-	-	V + 16.2%
Connections	2x HDMI (1.4a 3D support) + MHL v2.2, 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A power (1A), RJ45, RS232, mini USB mouse/service	2x HDMI (1.4a 3D support) + MHL, 2x VGA (YPbPr/RGB), Composite, S-Video, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, USB-A Power (1A)/mouse/service	2x HDMI (1.4a 3D support) + MHL v2.0, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	2x HDMI (1.4a 3D support) + MHL v2.2, 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A power (1A), RJ45, RS232, mini USB mouse/service
Speaker (W)	10	10	10	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	WUSB / WHD200 / QuickCast	WUSB / WHD200 / QuickCast
Bag	-	-	-	-
Features	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™	Crestron RoomView™, PJ Link™, HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJLink™

Projectors

Desktop / Install

Model name	W402	W400+	W355
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	4500 ANSI lumens	4000 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	7000	10,000	10,000
Noise level (typical)[2]	31dB	29dB	29dB
Weight (kg)	2.57	2.52	2.52
Dimensions (W x D x H mm)	315 x 224 x 102	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	1.28 ~ 1.536:1	1.19 ~1.54:1	1.19 ~1.54:1
Zoom type	1.2x manual	1.3x	1.3x
Image size (native)	0.93 - 7.65m (36.6" - 301") diagonal 16:10	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	112.4%	112.4%	112.4%
Lens shift	-	-	-
Connections	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm VGA out, Audio out 3.5mm, RJ45, RS232, 3D-sync, mini USB mouse/service	2x HDMI (1.4a 3D support) + MHL, 2x VGA (YPbPr/RGB), Composite, S-Video, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, RJ45, USB-A Power (1A)/mouse/service	2x HDMI (1.4a 3D support) + MHL, 2x VGA (YPbPr/RGB), Composite, S-Video, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, RJ45, USB-A Power (1A)/mouse/service
Speaker (W)	10	10	16
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	✓	-	-
Features	Crestron RoomView™, PJLink™	Crestron RoomView™, PJ Link™	Crestron RoomView™, PJ Link™

Desktop / Install

Model name	W354	X600	X461	X416
Resolution	WXGA (1280 x 800)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness[1]	3400 ANSI lumens	6000 ANSI lumens	5000 ANSI lumens	4300 ANSI lumens
Contrast	18,000:1	10,000:1	20,000:1	20,000:1
Lamp life (max hrs)[3]	10,000	4000	4500	7000
Noise level (typical)[2]	29dB	28dB	29dB	32dB
Weight (kg)	2.52	3.6	2.95	2.99
Dimensions (W x D x H mm)	298 x 230 x 96.5	326 x 254 x 104	345 x 216 x 109	315 x 224 x 114
Throw ratio	1.19 ~1.54:1	1.8 ~ 2.11:1	1.6 ~ 1.92:1	1.39 ~ 1.9:1
Zoom type	1.3x	1.15x manual	1.2x manual	1.36x manual
Image size (native)	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10	0.71 - 8.34m (28.01" - 328.38") diagonal 4:3	0.65 - 7.81m (25.6" - 307.5") diagonal 4:3	0.85 - 7.63m (33.62" - 300.7") diagonal 4:3
Keystone correction	±40° vertical	± 30° vertical	±40° vertical	±40° vertical
Offset	112.4%	112%	114%	98.10%
Lens shift	-	-	-	V +16.9%
Connections	2x HDMI (1.4a 3D support) + MHL, 2x VGA (YPbPr/RGB), Composite, S-Video, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, RJ45, USB-A Power (1A)/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, mini USB mouse/service, 12V trigger, 3D-sync	2x HDMI (1.4a 3D support) + MHL v2.0, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A reader, USB-A wireless, RJ45, RS232, 12V trigger	2x HDMI (1.4a 3D support) + MHL v2.2, 1x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A power (1A), RJ45, RS232, mini USB mouse/service
Speaker (W)	16	3	10	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	-	WUSB / WHD200 / QuickCast	WUSB / WHD200 / QuickCast
Bag	-	✓	-	-
Features	Crestron RoomView™, PJ Link™	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™, HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJLink™

Projectors

Desktop / Install   Mobile

Model name	X402	X400+	WU337
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	WUXGA (1920 x 1200)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	4200 ANSI lumens	4000 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	22,000:1	20,000:1
Lamp life (max hrs)[3]	7000	10,000	15,000
Noise level (typical)[2]	31dB	29dB	27dB
Weight (kg)	2.57	2.52	2.95
Dimensions (W x D x H mm)	315 x 224 x 102	298 x 230 x 96.5	316 x 244 x 108
Throw ratio	1.6 ~ 1.92:1	1.49 ~ 1.93:1	1.58 ~ 2.06:1
Zoom type	1.2x Manual	1.3x	1.3x
Image size (native)	0.78 - 7.79m (30.8" - 307") diagonal 4:3	0.58 - 7.62m (22.9" - 300") Diagonal 4:3	0.66 - 7.59m (27" - 299") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	110%
Lens shift	-	-	-
Connections	HDMI (1.4a 3D support), 2x VGA (YPbPr/RGB/Wireless), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, RS232, 3D-sync, mini USB mouse/service	2x HDMI (1.4a 3D support) + MHL, 2x VGA (YPbPr/RGB), Composite, S-Video, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, RJ45, USB-A Power (1A)/mouse/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, RS232, USB-A Power (1.5A)/service
Speaker (W)	10	10	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	✓	-	-
Features	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™

Mobile

Model name	WU335	WU334	EH400	EH345
Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	1080p (1920 x 1080)	1080p (1920 x 1080)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible
Brightness[1]	3600 ANSI lumens	3600 ANSI lumens	4,000 ANSI lumens	3200 ANSI lumens
Contrast	20,000:1	20,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	15,000	15,000	10,000	10,000
Noise level (typical)[2]	27dB	27dB	29dB	29dB
Weight (kg)	2.93	2.91	2.41	2.47
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	1.47 ~ 1.62:1	1.47 ~ 1.62:1	1.47 ~ 1.63:1	1.13 ~ 1.47:1
Zoom type	1.1x	1.1x	1.1x	1.3x
Image size (native)	0.74 - 7.62m (29" - 300") diagonal 16:10	0.74 - 7.62m (29" - 300") diagonal 16:10	0.58 - 7.62m (22.9" - 300") diagonal 16:9	1.01 - 7.62m (39.92" - 299.81") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	110%	110%	115%	116%
Lens shift	-	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, RS232, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/mouse/service
Speaker (W)	10	10	2	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-	-
Features	Crestron RoomView™, PJLink™		Crestron RoomView™, PJLink™	

Projectors

Mobile

Model name	EH343	EH337	EH335
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[1]	3000 ANSI lumens	3600 ANSI lumens	3600 ANSI lumens
Contrast	22,000:1	20,000:1	20,000:1
Lamp life (max hrs)[3]	10,000	15,000	15,000
Noise level (typical)[2]	29dB	27dB	27dB
Weight (kg)	2.47	2.93	2.93
Dimensions (W x D x H mm)	298 x 230 x 96.5	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.13 ~ 1.47:1	1.58 ~ 2.06:1	1.47 ~ 1.62:1
Zoom type	1.3x	1.3x	1.1x
Image size (native)	1.01 - 7.62m (39.92" - 299.81") diagonal 16:9	0.69 - 7.59m (27" - 299") diagonal 16:9	0.71 - 7.66m (28" - 301") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	116%	116%	116%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Audio in 3.5mm, VGA out, Audio out 3.5mm; RS232, USB-A Power (1A)/mouse/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RJ45, RS232, USB-A Power (1.5A)/service
Speaker (W)	10	10	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-
Features			Crestron RoomView™, PJLink™

Mobile

Model name	EH334	DH350	W400	W345
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	3600 ANSI lumens	3200 ANSI lumens	4000 ANSI lumens	3300 ANSI lumens
Contrast	20,000:1	22,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	15,000	12,000	10,000	10,000
Noise level (typical)[2]	27dB	25dB	29dB	29dB
Weight (kg)	2.91	2.87	2.41	2.41
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	1.47 ~ 1.62:1	1.47 ~ 1.62:1	1.55 ~1.73:1	1.19 ~ 1.54:1
Zoom type	1.1x	1.1x	1.1x	1.3x manual
Image size (native)	0.71 - 7.66m (28" - 301") diagonal 16:9	0.71 - 7.66m (28" - 301") diagonal 16:9	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	116%	116%	112.4%	112%
Lens shift	-	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL v2.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A Power (1A)/service
Speaker (W)	10	10	2	2
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-	-
Features				

Projectors

Model name	W344	W341	W340
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	3100 ANSI lumens	3600 ANSI lumens	3400 ANSI lumens
Contrast	22,000:1	22,000:1	20,000:1
Lamp life (max hrs)[3]	10,000	10,000	10,000
Noise level (typical)[2]	29dB	29dB	29dB
Weight (kg)	2.41	2.17	2.17
Dimensions (W x D x H mm)	298 x 230 x 96.5	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	1.19 ~1.54:1	1.55 ~ 1.73:1	1.55 ~ 1.73:1
Zoom type	1.3x manual	1.1x manual	1.1x manual
Image size (native)	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	112%	112%	112%
Lens shift	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service
Speaker (W)	2	10	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-
Features			

Model name	W335e	W334e	DW318e	X400
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)	XGA (1024 x 768)
Aspect ratio	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
Brightness[1]	3800 ANSI lumens	3700 ANSI lumens	3700 ANSI lumens	4000 ANSI lumens
Contrast	22,000:1	22,000:1	20,000:1	22,000:1
Lamp life (max hrs)[3]	15,000	15,000	15,000	10,000
Noise level (typical)[2]	27dB	27dB	27dB	29dB
Weight (kg)	3	3	3	2.41
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108	298 x 230 x 96.5
Throw ratio	1.55 ~ 1.73:1	1.55 ~ 1.73:1	1.55 ~ 1.73:1	1.95 ~ 2.15:1
Zoom type	1.1x manual	1.1x manual	1.1x manual	1.1x manual
Image size (native)	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.71 - 7.73m (27.78" - 301.4") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	112%	112%	112%	115%
Lens shift	-	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service
Speaker (W)	10	10	10	2
Optional wireless	WHD200 / QuickCast	WHD200 / QuickCast	WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast
Bag	-	-	-	-
Features				

Projectors

Model name	X345	X344	X343e
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[1]	3200 ANSI lumens	3000 ANSI lumens	3800 ANSI lumens
Contrast	22,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	10,000	10,000	15,000
Noise level (typical)[2]	29dB	29dB	27dB
Weight (kg)	2.41	2.41	3
Dimensions (W x D x H mm)	298 x 230 x 96.5	298 x 230 x 96.5	316 x 244 x 108
Throw ratio	1.49 ~ 1.93:1	1.49 ~ 1.93:1	1.94 ~ 2.16:1
Zoom type	1.3x manual	1.3x manual	1.1x manual
Image size (native)	0.78 - 7.65m (30.6" - 301.1") diagonal 4:3	0.78 - 7.65m (30.6" - 301.1") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	115%
Lens shift	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service
Speaker (W)	2	2	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	WHD200 / QuickCast
Bag	-	-	-
Features			

Model name	X342e	DX318e	S343e	S342e
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	SVGA (800 x 600)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness[1]	3700 ANSI lumens	3600 ANSI lumens	3800 ANSI lumens	3700 ANSI lumens
Contrast	22,000:1	20,000:1	22,000:1	22,000:1
Lamp life (max hrs)[3]	15,000	15,000	15,000	15,000
Noise level (typical)[2]	27dB	27dB	27dB	27dB
Weight (kg)	3	3	3	3
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.94 ~ 2.16:1	1.94 ~ 2.16:1	1.94 ~ 2.16:1	1.94 ~ 2.16:1
Zoom type	1.1x manual	1.1x manual	1.1x manual	1.1x manual
Image size (native)	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	115%	115%
Lens shift	-	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service
Speaker (W)	10	10	10	10
Optional wireless	WHD200 / QuickCast	WHD200 / QuickCast	WHD200 / QuickCast	WHD200 / QuickCast
Bag	-	-	-	-
Features				

Projectors

Model name	DS318e	S334e	DS317e
Resolution	SVGA (800 x 600)	SVGA (800 x 600)	SVGA (800 x 600)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness[1]	3600 ANSI lumens	3800 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	22,000:1	20000:1
Lamp life (max hrs)[3]	15,000	15,000	15,000
Noise level (typical)[2]	27dB	27dB	27dB
Weight (kg)	3	3	3
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.94 ~ 2.16:1	1.94 ~ 2.16:1	1.94 ~ 2.16:1
Zoom type	1.1x manual	1.1x manual	1.1x manual
Image size (native)	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	115%
Lens shift	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, USB-A Power (1A)/service
Speaker (W)	10	10	10
Optional wireless	WHD200 / QuickCast	WHD200 / QuickCast	WHD200 / QuickCast
Bag	-	-	-
Features			

Model name	S331	DS348	S322e	DS315e
Resolution	SVGA (800 x 600)	SVGA (800 x 600)	SVGA (800 x 600)	SVGA (800 x 600)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness[1]	3200 ANSI lumens	3000 ANSI lumens	3800 ANSI lumens	3600 ANSI lumens
Contrast	22,000:1	20,000:1	22,000:1	20,000:1
Lamp life (max hrs)[3]	10,000	10,000	15,000	15,000
Noise level (typical)[2]	29dB	29dB	27dB	27dB
Weight (kg)	2.17	2.17	3	3
Dimensions (W x D x H mm)	298 x 230 x 96.5	298 x 230 x 96.5	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.94 ~ 2.16:1	1.94 ~ 2.16:1	1.94 ~ 2.16:1	1.94 ~ 2.16:1
Zoom type	1.1x manual	1.1x manual	1.1x manual	1.1x manual
Image size (native)	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3	0.71 - 7.73m (27.78" - 304.4") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	115%	115%
Lens shift	-	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL, Audio out 3.5mm, USB-A power(1A)/service	2x HDMI (1.4a 3D support) + MHL, Audio out 3.5mm, USB-A power(1A)/service	VGA (YPbPr/RGB), Composite, USB-A mouse/service	VGA (YPbPr/RGB), Composite, USB-A mouse/service
Speaker (W)	2	2	10	10
Optional wireless	HDCast Pro / WHD200 / QuickCast	HDCast Pro / WHD200 / QuickCast	-	-
Bag	-	-	-	-
Features				

Projectors

Ultra mobile / Ultra mobile LED

| Model name	W304M	X304M	LH200	LH160	ML1050ST+	ML1050ST	ML750ST
	Ultra mobile	Ultra mobile	Ultra mobile LED	Ultra mobile LED	Ultra mobile LED	Ultra mobile LED	Ultra mobile LED
Resolution	WXGA (1280 x 800)	XGA (1024 x 768)	1080p (1920 x 1080)	1080p (1920 x 1080)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	4:3 native, 16:9 compatible	16:9 native, 4:3 compatible	16:9 native, 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
Brightness[1]	3100 ANSI lumens	3000 ANSI lumens	2000 LED brightness[§]	1500 LED brightness[§]	1000 LED brightness[§]	1000 LED brightness[§]	800 LED brightness[§]
Contrast	10,000:1	10,000:1	200,000:1	160,000:1	20,000:1	20,000:1	20,000:1
Lamp life (max hrs)[3]	5000	5000	30,000 (LED life)	30,000 (LED life)	20,000 (LED life)	20,000 (LED life)[3]	20,000 (LED life)
Noise level (typical)[2]	33dB	33dB	30dB	30dB	22dB	22dB	22dB
Weight (kg)	1.4	1.4	2.2	2.2	0.42	0.42	0.42
Dimensions (W x D x H mm)	220 x 178 x 71	220 x 178 x 71	280 x 191 x 55	280 x 191 x 55	112.5 x 123 x 57	112.5 x 123 x 57	112.5 x 123 x 57
Throw ratio	1.53 ~ 1.76:1	1.9 ~ 2.2:1	1.2:1	1.2:1	0.8:1	0.8:1	0.8:1
Zoom type	1.15x manual	1.15x manual	Fixed	Fixed	Fixed	Fixed	Fixed
Image size (native)	0.68 - 6.54m (31.65" - 303.44") diagonal 16:10	0.68 - 5.26m (33.58" - 259.25") diagonal 4:3	0.5 - 3m (18.6" - 111.8") diagonal 16:9	0.5 - 3m (18.6" - 111.8") diagonal 16:9	0.63 - 5.08m (25" - 200") diagonal 16:10	0.63 - 5.08m (25" - 200") diagonal 16:10	0.63 - 5.08m (25" - 200") diagonal 16:10
Keystone correction	±30° vertical	±30° vertical	±30° vertical (auto)	±30° vertical (auto)	±40° vertical (auto)	±40° vertical (auto)	±40° vertical (auto)
Offset	114%	114%	100%	100%	100%	100%	100%
Lens shift	-	-	-	-	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB/Wireless), Composite, Audio in 3.5mm, Audio out 3.5mm, USB-B mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB/Wireless), Composite, Audio in 3.5mm, Audio out 3.5mm, USB-B mouse/service	2x HDMI, Audio out 3.5mm, 2x USB-A reader/wireless	2x HDMI, Audio out 3.5mm, 2x USB-A reader/wireless	HDMI + MHL v2.0, Universal I/O - VGA, Audio out 3.5mm, microSD card slot, USB-A reader/wireless	HDMI + MHL v2.0, Universal I/O - VGA, Audio out 3.5mm, microSD card slot, USB-A reader/wireless	HDMI + MHL v2.0, Universal I/O - VGA, Audio out 3.5mm, microSD card slot, USB-A reader/wireless
Speaker (W)	1	1	2x 4	2x 4	1.5	1.5	1.5
Optional wireless	WHD200	WHD200	WUSB / QuickCast	WUSB / QuickCast	WUSB / QuickCast	WUSB / QuickCast	WUSB / QuickCast
Bag	✓	✓	✓	✓	✓	✓	✓
Features	Smallest and brightest WXGA projector	Smallest and brightest XGA projector	Horizontal keystone + Four corner adjustment Auto v.keystone, Bluetooth audio out, LED light source, optional wireless presenting, built in battery	Horizontal keystone + Four corner adjustment, Auto v.keystone, Bluetooth audio out, LED light source, optional wireless presenting, built in battery	Auto Focus, Auto v.keystone, Native office viewer, Media player, 3GB memory, LED light source, Optional wireless presenting 17ms Input lag	Auto v.keystone, Native office viewer media player, 3GB memory, LED light source, optional wireless presenting, 17ms Input lag	Auto v.keystone, Native office viewer, Media player, 3GB memory, LED light source, optional wireless presenting, 17ms Input lag

Projectors

Ultra mobile LED

Model name	ML750e	ML330	LV130
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WSGA (800 x 480)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:9 native, 4:3 compatible
Brightness[1]	700 LED brightness§	500 LED brightness§	300 LED brightness§
Contrast	15,000:1	20,000:1	100,000:1
Lamp life (max hrs)[3]	20,000 (LED life)	20,000 (LED life)	30,000 (LED life)
Noise level (typical)[2]	30dB	34dB	36dB
Weight (kg)	0.38	0.46	0.4
Dimensions (W x D x H mm)	105 x 106 x 39	157 x 122 x 35	108 x 126 x 36
Throw ratio	1.5:1	1.2:1	1.1:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	0.43 - 2.54m (17" - 100") diagonal 16:10	0.25 - 3.05m (10" - 120") diagonal 16:10	0.64 - 2.03m (25" - 80") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical (auto)	±40° vertical
Offset	100%	100%	100%
Lens shift	-	-	-
Connections	HDMI + MHL v1.0, Universal I/O - VGA / Audio out 3.5mm, microSD card slot, USB-A reader/wireless	HDMI + MHL, AV in, Audio out 3.5mm, SPDIF, microSD card slot, 2x USB-A reader, RJ45	HDMI + MHL, Audio out 3.5mm, USB-A Power
Speaker (W)	1	2	1.5
Optional wireless	WUSB / QuickCast	Built in WiFi and Bluetooth / QuickCast	HDCast Pro
Bag	✓	✓	✓
Features	Native office viewer, Media player, 1.5GB memory, LED light source, optional wireless presenting	Auto v.keystone, android 4.4 KitKat, LED light source, Built in WiFi and Bluetooth	Built in battery
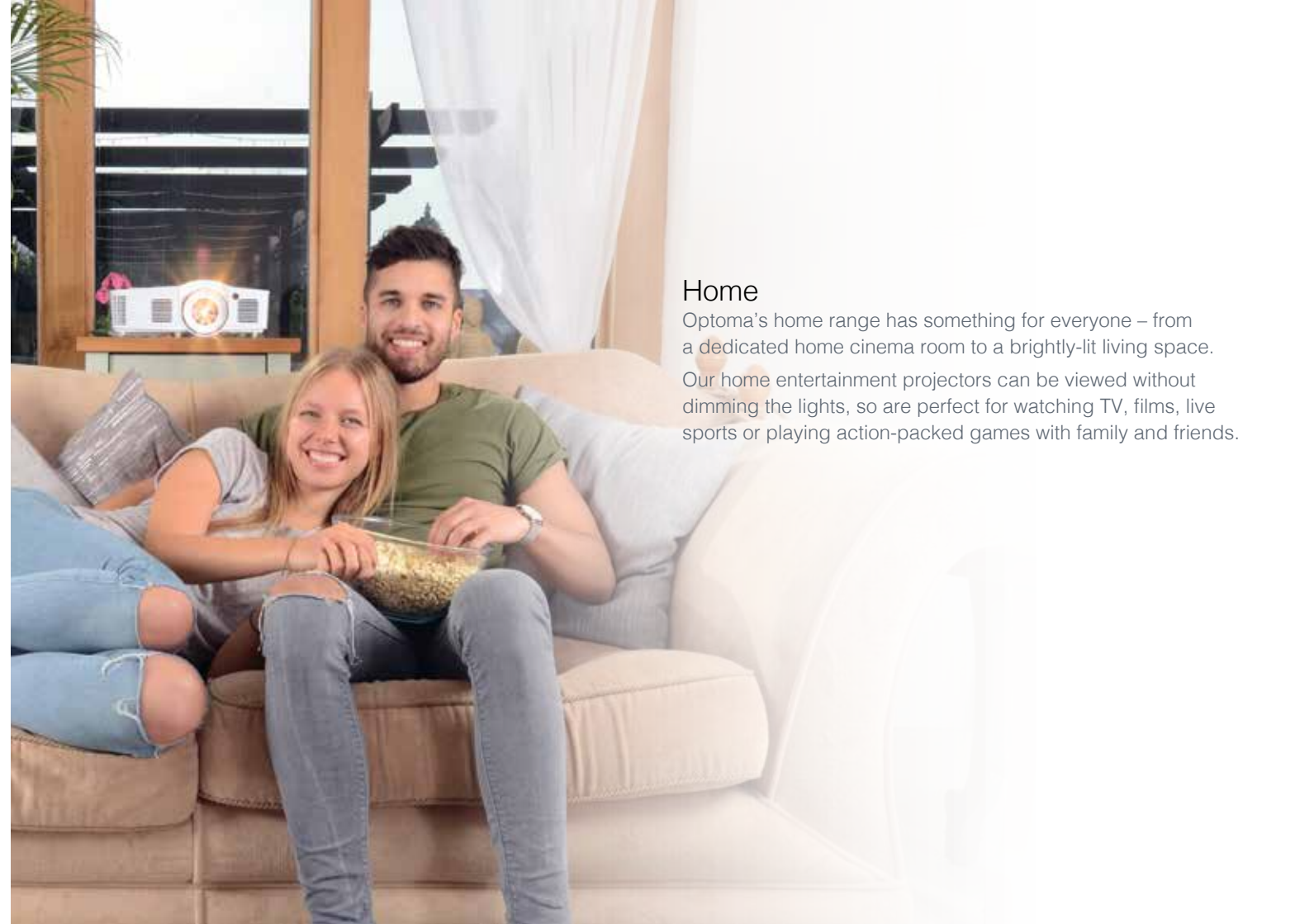
Home

Optoma's home range has something for everyone – from a dedicated home cinema room to a brightly-lit living space.

Our home entertainment projectors can be viewed without dimming the lights, so are perfect for watching TV, films, live sports or playing action-packed games with family and friends.

Projectors

Model name	UHZ65	UHD65	UHD60
Resolution	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)
Brightness[1]	3000 ANSI lumens	2200 ANSI lumens	3000 ANSI lumens
Contrast	2,000,000:1	1,200,000:1	1,000,000:1
Lamp life (max hrs)[3]	20,000	15,000	15,000
Noise level (typical)[2]	29dB	25dB	25dB
Weight (kg)	9.5	7.8	7.8
Dimensions (W x D x H mm)	498 x 331 x 141	498 x 331 x 141	498 x 331 x 141
Throw ratio	1.39 ~ 2.22:1	1.39 ~ 2.22:1	1.39 ~ 2.22:1
Zoom type	1.6x manual	1.6x manual	1.6x manual
Images size (native)	0.67 - 7.68m (26.45" - 302.2") diagonal 16:9	0.67 - 7.68m (26.45" - 302.2") diagonal 16:9	0.67 - 7.68m (26.45" - 302.2") diagonal 16:9
Keystone correction	-	-	-
Offset	100%	100%	100%
Lens shift	V +15%	V +15%	V +15%
Connections	HDMI 2.0, HDMI (1.4a 3D support) + MHL v2.2, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RS232, RJ45, USB-A Power (1.5A), USB-A service	HDMI 2.0, HDMI v1.4 + MHL v2.2, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RS232, RJ45, USB-A Power (1.5A), USB-A service	HDMI 2.0, HDMI v1.4 + MHL v2.2, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RS232, RJ45, USB-A Power (1.5A), USB-A service
Speaker (W)	2x 4	2x 4	2x 4
Optional wireless	-	-	-
Features	Laser light source, PureMotion	PureMotion	

Model name	UHD51A	UHD51ALVe	UHD370X	UHD51
Resolution	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)
Brightness[1]	2400 ANSI lumens	3200 ANSI lumens	3500 ANSI lumens	2400 ANSI lumens
Contrast	500,000:1	500,000:1	500,000:1	500,000:1
Lamp life (max hrs)[3]	15,000	15,000	15,000	15,000
Noise level (typical)[2]	25dB	25dB	25dB	25dB
Weight (kg)	5.22	5.22	5.22	5.22
Dimensions (W x D x H mm)	392 x 281 x 118	392 x 281 x 118	392 x 281 x 118	392 x 281 x 118
Throw ratio	1.2 ~ 1.59:1	1.2 ~ 1.59:1	1.2 ~ 1.59:1	1.2 ~ 1.59:1
Zoom type	1.3x manual	1.3x manual	1.3x manual	1.3x manual
Images size (native)	0.87 - 7.68m (34.1" - 302.2") diagonal 16:9	0.87 - 7.68m (34.1" - 302.2") diagonal 16:9	0.87 - 7.68m (34.1" - 302.2") diagonal 16:9	0.87 - 7.68m (34.1" - 302.2") diagonal 16:9
Keystone correction	-	-	-	-
Offset	105%	105%	105%	105%
Lens shift	V +10%	V: +10%	V: +10%	V +10%
Connections	2x HDMI 2.0, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RJ45, RS232, USB-A Power (1.5A)/Reader, USB-A wireless, USB-A Alexa, USB-A service	2x HDMI 2.0, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RJ45, RS232, USB-A Power (1.5A)/Reader, USB-A wireless, USB-A Alexa, USB-A service	2x HDMI 2.0, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RJ45, RS232, USB-A Power (1.5A)/Reader, USB-A wireless, USB-A Alexa, USB-A service	2x HDMI 2.0, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RJ45, RS232, USB-A Power (1.5A), USB-A service
Speaker (W)	2x 5	2x 5	2x 5	2x 5
Optional wireless	WUSB (included)	WUSB (included)	-	-
Features	Alexa support, Media Player, PureMotion	Alexa support, Media Player, PureMotion	Media Player, PureMotion	PureMotion

Projectors

Home

Model name	UHD40	UHD300X	UHL55
Resolution	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)
Brightness[1]	2400 ANSI lumens	2200 ANSI lumens	2000 LED brightness[5]
Contrast	500,000:1	250,000:1	250,000:1
Lamp life (max hrs)[3]	15,000	15,000	30,000
Noise level (typical)[2]	25dB	25dB	28dB
Weight (kg)	5.22	5.22	3.8
Dimensions (W x D x H mm)	392 x 281 x 118	392 x 281 x 118	220 x 220 x 135
Throw ratio	1.2 ~ 1.59:1	1.2 ~ 1.59:1	1.2:1
Zoom type	1.3x manual	1.3x manual	Fixed
Images size (native)	0.87 - 7.68m (34.1" - 302.2") diagonal 16:9	0.87 - 7.68m (34.1" - 302.2") diagonal 16:9	0.76 - 5.08m (30" - 200") Diagonal 16:9
Keystone correction	-	-	±40° vertical
Offset	105%	105%	103%
Lens shift	V +10%	V +10%	-
Connections	2x HDMI 2.0, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RS232, USB-A Power (1.5A), USB-A service	2x HDMI 2.0, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RS232, USB-A Power (1.5A), USB-A service	2x HDMI v2.0, Audio out, SPDIF out, 2x USB-A, RJ45
Speaker (W)	2x 5	2x 5	2x 8
Optional wireless	-	-	-
Features	Vertical keystone	Vertical keystone	118% Rec709, PureMotion, USB reader, Alexa support, Auto keystone, Auto focus, Bluetooth, WiFi, Apps

Home

Model name	HZ45UST	HZ40UST	HD35UST	HD31UST
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness[1]	4200 ANSI lumens	4000 ANSI lumens	3600 ANSI lumens	3400 ANSI lumens
Contrast	3,000,000:1	2,500,000:1	30,000:1	28,000:1
Lamp life (max hrs)[3]	20,000	20,000	15,000	15,000
Noise level (typical)[2]	30dB	30dB	25dB	25dB
Weight (kg)	5.6	5.6	3.9	3.9
Dimensions (W x D x H mm)	382 x 310 x 124	382 x 310 x 124	343 x 383 x 112	343 x 383 x 112
Throw ratio	0.25:1	0.25:1	0.25:1	0.25:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Images size (native)	2.03 - 2.54m (80" - 100") diagonal 16:9	2.03 - 2.54m (80" - 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	±40° vertical	±40° vertical	±4° vertical, ±4° horizontal	±4° vertical, ±4° horizontal
Offset	120%	120%	118%	118%
Lens shift	-	-	-	-
Connections	2x HDMI V1.4a, 2x VGA, 2x 3.5mm Audio, VGA-out, 3.5mm Audio out, RJ45, RS232, Wired remote, 12v Trigger, Mini USB (service)	2x HDMI V1.4a, 2x VGA, 2x 3.5mm Audio, VGA-out, 3.5mm Audio out, RJ45, RS232, Wired remote, 12v Trigger, Mini USB (service)	2x HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, 2x USB-A reader/wireless, RJ45, RS232	2x HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, 2x USB-A reader/wireless, RJ45, RS232
Speaker (W)	10	10	16	16
Optional wireless	WHD200	WHD200	WHD200	WHD200
Features	100" @ 0.30m	100" @ 0.30m	Ultra short throw	Ultra short throw

Projectors

Model name	GT1080Darbee	GT1080e	GT1070Xe
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness[1]	3000 ANSI lumens	3000 ANSI lumens	2800 ANSI lumens
Contrast	28,000:1	25,000:1	23,000:1
Lamp life (max hrs)[3]	8000	6500	6500
Noise level (typical)[2]	26dB	26dB	26dB
Weight (kg)	2.66	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	0.49:1	0.49:1	0.49:1
Zoom type	Fixed	Fixed	Fixed
Images size (native)	1.15 - 7.67m (45.3" - 300") diagonal 16:9	1.15 - 7.67m (45.3" - 300") diagonal 16:9	1.15 - 7.67m (45.3" - 300") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	116%	116%	116%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1A)/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)	20	10	10
Optional wireless	WHD200	WHD200	WHD200
Features	100" @ 1.08m, DynamicBlack technology	DynamicBlack technology	DynamicBlack technology

Model name	HD39Darbee	HD29Darbee	HD29H	HD27LV
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness[1]	3500 ANSI lumens	3200 ANSI lumens	3400 ANSI lumens	4,000 ANSI lumens
Contrast	32,000:1	30,000:1	25,000:1	22,000:1
Lamp life (max hrs)[3]	15,000	8000	15,000	8000
Noise level (typical)[2]	28dB	26dB	25dB	26dB
Weight (kg)	2.81	2.38	2.87	2.41
Dimensions (W x D x H mm)	315 x 224 x 114	298 x 230 x 96.5	316 x 244 x 108	298 x 230 x 96.5
Throw ratio	1.4 ~ 2.24:1	1.48 ~ 1.62:1	1.47 ~ 1.62:1	1.47 ~ 1.63:1
Zoom type	1.6x manual	1.1x manual	1.1x	1.1x manual
Images size (native)	0.66 - 7.7m (26.21" - 303.3") diagonal 16:9	0.71 - 7.75m (27.88" - 305.3") diagonal 16:9	0.71 - 7.66m (28" - 301") diagonal 16:9	0.58 - 7.62m (22.9" - 300") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	99%	116%	116%	116%
Lens shift	V +17%	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL v2.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1A)/service	2x HDMI (1.4a 3D support) + MHL v2.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1A)/service	1x HDMI 2.0, 1x HDMI v1.4a 3D support), Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1.5A)/service	HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (1A)/service
Speaker (W)	10	10	10	2
Optional wireless	WHD200	WHD200	WHD200	WHD200
Features	Dynamic Black technology	Dynamic Black technology	DynamicBlack technology	

Projectors

Model name	HD27e	HD144X	HD143X
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness[1]	3400 ANSI lumens	3200 ANSI lumens	3000 ANSI lumens
Contrast	25,000:1	23,000:1	23,000:1
Lamp life (max hrs)[3]	12,000	12,000	12,000
Noise level (typical)[2]	25dB	25dB	25dB
Weight (kg)	2.87	2.87	2.87
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.47 ~ 1.62:1	1.47 ~ 1.62:1	1.47 ~ 1.62:1
Zoom type	1.1x manual	1.1x manual	1.1x manual
Images size (native)	0.71 - 7.66m (28" - 301") diagonal 16:9	0.71 - 7.66m (28" - 301") diagonal 16:9	0.71 - 7.66m (28" - 301") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	116%	116%	116%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL v2.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL v2.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1.5A)/service	2x HDMI (1.4a 3D support) + MHL v2.2, Audio out 3.5mm, 12V trigger, 3D-sync, USB-A Power (1.5A)/service
Speaker (W)	10	10	10
Optional wireless	WHD200	WHD200	WHD200
Features	DynamicBlack technology	DynamicBlack technology	DynamicBlack technology

Model name	H116ST	H116	H184X	HL10
Resolution	720p (1280 x 800 native)	720p (1280 x 800 native)	720p (1280 x 800 native)	1080p (1920 x 1080)
Brightness[1]	3600 ANSI lumens	3800 ANSI lumens	3600 ANSI lumens	1500 LED brightness[5]
Contrast	22,000:1	30,000:1	28,000:1	200,000:1
Lamp life (max hrs)[3]	15,000	15,000	15,000	30,000 (LED life)
Noise level (typical)[2]	28dB	27dB	27dB	30dB
Weight (kg)	3	3	3	2.2
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108	280 x 191 x 55
Throw ratio	0.52:1	1.55 ~ 1.73:1	1.55 ~ 1.73:1	1.2:1
Zoom type	Fixed	1.1x manual	1.1x manual	Fixed
Images size (native)	0.91 - 7.7m (35.64" - 302.98") diagonal 16:10	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.5 - 3m (18.6" - 111.8") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±30° vertical (auto)
Offset	112%	112%	112%	100%
Lens shift	-	-	-	-
Connections	HDMI (1.4a 3D support), VGA (RGB/YPbPr), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A mouse/service	2x HDMI, Audio out 3.5mm, 2x USB-A reader/wireless
Speaker (W)	10	10	10	2x 4
Optional wireless	WHD200 / HDCast Pro / QuickCast	WHD200	WHD200	WUSB
Features				Horizontal keystone + Four corner adjustment, Auto v.keystone, Bluetooth audio out LED light source, optional wireless presenting, built in battery, carry bag

Screens

Model name	DS-3084PWC	DS-3100PMG+	DS-3120PMG+
Format	4:3	4:3	4:3
Gain	1	1	1
Screen material	Matte white	Matte white	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

Model name	DS-9120MGA	DS-1095PMG+	DS-1109PMG+
Format	16:9	16:10	16:10
Gain	1	1	1
Screen material	Matte white	Matte white	Matte white
Viewing size (W x H mm)	2030 x 1269	2030 x 1269	2340 x 1463
Diagonal viewing (inch)	95	95	109
Black border R & L (mm)	50	50	47
Black border bottom (mm)	60	60	40
Black border top (mm)	300	300	300
Weight (kg)	11.3	11.3	13.38
Case dimensions (W x D x H mm)	2250 x 112 x 86 (including brackets)	2250 x 112 x 86 (including brackets)	2554 x 112 x 86 (including brackets)

Manual pull down

Model name	DS-9072PWC	DS-9084PMG+	DS-9092PWC	DS-9106MGA
Format	16:9	16:9	16:9	16:9
Gain	1	1	1	1
Screen material	Matte white	Matte white	Matte white	Matte white
Viewing size (W x H mm)	1594 x 897	1860 x 1045	2030 x 1145	2340 x 1320
Diagonal viewing (inch)	72	84	92	106
Black border R & L (mm)	50	50	50	47
Black border bottom (mm)	55	35	60	45
Black border top (mm)	300	300	300	300
Weight (kg)	8.96	9.92	11.3	13.38
Case dimensions (W x D x H mm)	1814 x 112 x 86 (including brackets)	2080 x 112 x 86 (including brackets)	2250 x 112 x 86 (including brackets)	2554 x112 x 86

	Manual pull down	Tab tension		Electric
Model name	DS-1123PMG+	DE-9120ETT	DE-9106ETT	DE-3100EGA
Format	16:10	16:9	16:9	4:3
Gain	1	1	1	1
Screen material	Matte white	PS series flexible fabric, matte white	PS series flexible fabric, matte white	Matte white
Viewing size (W x H mm)	2656 x 1660	2346 x 1320	2656 x 1660	2030 x 1520
Diagonal viewing (inch)	123	106	123	100
Black border R & L (mm)	50	80	80	50
Black border bottom (mm)	40	55	55	55
Black border top (mm)	300	400	400	80
Weight (kg)	20	18.4	20.7	12.5
Case dimensions (W x D x H mm)	2920 x 118 x 132	2843 x 142 x 152	3158 x 142 x 152	2280 x 108 x 113

Screens

Electric

Model name	DE-3120EGA	DE-9092EGA	DE-9106EGA	DE-9120EGA	DE-1095EGA	DE-1109EGA	DE-1123EGA
Format	4:3	16:9	16:9	16:9	16:10	16:10	16:10
Gain	1	1	1	1	1	1	1
Screen material	Matte white	Matte white	Matte white	Matte white	Matte white	Matte white	Matte white
Viewing size (W x H mm)	2400 x 1800	2030 x 1145	2340 x 1320	2656 x 1494	2030 x 1269	2340 x 1463	2340 x 1755
Diagonal viewing (inch)	120	92	106	120	95	109	123
Black border R & L (mm)	50	50	50	50	50	47	50
Black border bottom (mm)	55	55	55	55	50	50	50
Black border top (mm)	80	300	300	300	300	300	300
Weight (kg)	14.8	12.27	14.2	16	12.27	14.2	16
Case dimensions (W x D x H mm)	2650 x 108 x 113	2280 x 108 x 113	2590 x 108 x 113	2983 x 108 x 113	2280 x 108 x 113	2590 x 108 x 113	2906 x 108 x 113

Manual pull up / Fixed frame

Model name	DP-3072MWL	DP-3084MWL	DP-9046MWL	DP-9092MWL	DP-1082MWL	DP-1095MWL	ALR101
Format	4:3	4:3	16:9	16:9	16:10	16:10	16:9
Gain	1	1	1	1	1	1	0.42
Screen material	Matte white	Matte white	Matte white	Matte white	Matte white	Matte white	Ambient light rejecting
Viewing size (W x H mm)	1463 x 1097	1707 x 1280	1016 x 572	1016 x 572	1770 x 1106	2030 x 1267	2214 x 1245
Diagonal viewing (inch)	72	84	46	46	82	95	100
Black border R & L (mm)	35	35	25	25	28	35	-
Black border bottom (mm)	680	800	210	210	907	698	-
Black border top (mm)	25	25	20	20	25	35	-
Weight (kg)	5.63	6.33	2.8	2.8	6.46	7.5	13
Case dimensions (W x D x H mm)	1620 x 115 x 115	1867 x 115 x 115	1124 x 140 x 84	1124 x 140 x 84	1930 x 115 x 155	2192 x 115 x 155	2330 x 380 x 160

Document cameras

Model name	DC350	DC450	DC550
Resolution	XGA, 720	XGA, UXGA, 720 and 1080 support	XGA, UXGA, 720 and 1080 support
Camera	5MP	13MP	8MP
Zoom	5x optical, 8x digital	17x optical, 8x digital	17x optical, 8x digital
SD card support	✓	✓	✓
Video recording	✓ (via USB or SD card)	✓ (via USB or SD card)	✓ (via USB or SD card)
Microscope adaptors	✓	✓	✓
Connections	VGA out, VGA , power over USB	VGA in/out, HDMI in/out	VGA in/out, HDMI in/out
SmartDC	Software support Windows 7, 8, 8.1, 10 and Apple OSX 10.7 or above	Software support Windows 7, 8, 8.1, 10 and Apple OSX 10.7 or above	Software support Windows 7, 8, 8.1, 10 and Apple OSX 10.7 or above
Features	Image rotation, mirror, freeze, compare, built-in mic, built-in speaker, VESA Mounting supported	Image rotation, mirror, freeze, compare, built-in mic, built-in speaker, VESA Mounting supported	Image rotation, mirror, freeze, compare, built-in mic, built-in speaker, VESA Mounting supported

Document cameras

	DC455	DC554
Resolution	XGA,UXGA, WXGA and 720 support	XGA, UXGA, 720, 1080 and 4K support
Camera	13MP	13MP
Zoom	8x digital	17x optical, 8x digital
SD card support	✓	✓
Video recording	✓ (via USB or SD card)	✓ (via USB or SD card)
Microscope adaptors	✓	✓
Connections	VGA in/out, HDMI in/out	VGA in/out, HDMI in/out
SmartDC	Software support Windows 7, 8, 8.1, 10 and Apple OSX 10.7 or above	Software support Windows 7, 8, 8.1, 10 and Apple OSX 10.7 or above
Features	Image rotation, mirror, freeze, compare, built-in mic, built-in speaker	Image rotation, mirror, freeze, compare, built-in mic, built-in speaker, VESA Mounting supported

Accessories

Optoma accessories to help you make the most of your projection experience.
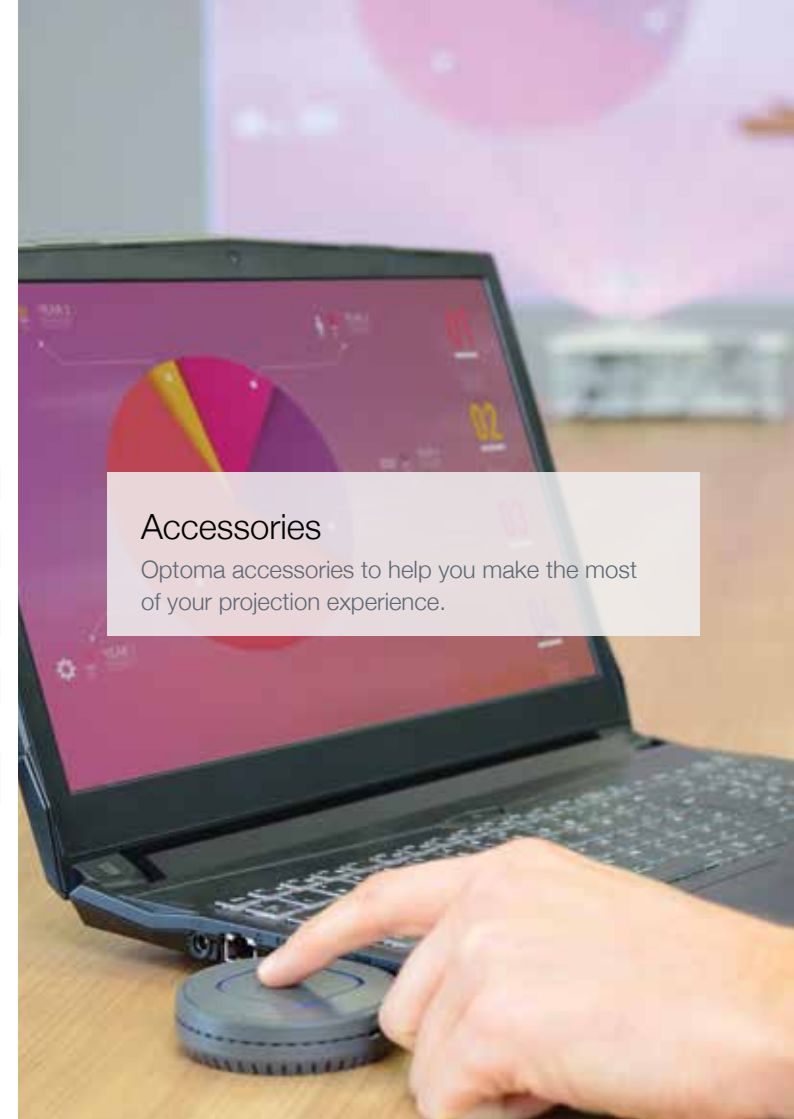
Accessories

Ceiling mount
OCM818B-RU / OCM818W-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.

UST mount
OWM3000

Compact wall mount with vertical adjustment and adjustable mounting plate for easy installation. Designed for the Optoma ultra short throw projector range.

ST mount
OWM300ST

Compact telescopic wall mount with vertical adjustment and adjustable mounting plate for easy installation. Designed for Optoma short throw projectors.

Table mount
OTM2000

Project directly onto a table top for a large interactive display with this easy installation table mount. Designed for the Optoma 320UST / 319UST ultra short throw projector range.

Wall mount adapter
EWMA2000

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

Universal carry bag
SP.8EF08GC01

Lightweight, durable and comes with a strap. Compatible with most Optoma projectors.

Carry bag L
SP.72801GC01

Lightweight, durable and comes with a strap. Compatible with GT5000+ / GT5500+ Optoma projectors.

For a full list of accessories and compatible products visit **www.optoma.com**

Accessories

QuickCast bundle
QCBUNDLE

This standalone presentation system gives presenters the freedom and flexibility to display content instantly from almost any device with an HDMI output. With no wires, software or applications to download, QuickCast is the ideal solution for hassle-free presentations at the click of a button.

QuickCast starter kit
QCSTARTER

This standalone presentation system gives presenters the freedom and flexibility to display content instantly from almost any device with an HDMI output. The starter kit includes 1x transmitter, 1x receiver, 2x HDMI extension cables and 2x USB to micro USB cables.

QuickCast cradle
QCCRADLE

Charging cradle for QuickCast transmitters.

QuickCast transmitter
QCTX

Additional transmitter for use with QuickCast bundle.

Wireless HDMI
WHD200

Stream 2D and 3D 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.
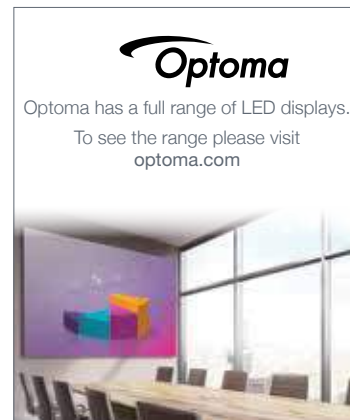
Wireless USB adapter
WUSB

WUSB lets you share photos, presentations and videos wirelessly. Ideal for use with Optoma ML750e and ML750ST.

HDCast Pro
H1AM60000001

Stream videos and music, and share photos and documents in Full HD 1080p from your mobile device or laptop to your display device with ease. Compatible with Miracast™ and DLNA™.

Optoma has a full range of LED displays.
To see the range please visit
optoma.com

For a full list of accessories and compatible products visit **www.optoma.com**

Glossary

4K
4K Ultra HD provides four times as many pixels as Full HD 1080p. That's 8.3 million on screen pixels (3840 x 2160) bringing greater realism to every scene with thrilling detail, colour and contrast.

WUXGA
WUXGA projectors have a native display of 1920x1200 pixels with an aspect ratio of 16:10. This format has proved highly popular in commercial and business environments.

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.

HDR compatible
Capable of receiving and displaying HDR meta data, Optoma HDR compatible projectors allow you to see far more detail and texture for lifelike images with a greater sense of depth.

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.

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).

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

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.

Android™
With built in Android you can download popular apps such as Netflix and YouTube.

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.

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.

Built-in battery
A built-in rechargeable battery provides cable-free projection time and a quick and easy setup – perfect for impromptu meetings or movies nights. It can also be used to charge a mobile device.

DARBEE
Darbee's acclaimed Visual Presence™ patented technology further enhances Optoma projection technology and adds more depth and realism delivering a clearer sharper picture.

Amazon Alexa voice control
Alexa voice control enables a quick and easy setup for a movie or gaming session as users can switch inputs, launch content, adjust the volume and more with their voice. Note: Voice control is not supported in every country.

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

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.

Optoma