



# Optoma projector range

Spring 2018





## 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.

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


















- Ultra short throw
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- Ultra mobile LED
- Home
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- Screens
- Accessories

# 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 <sup>1</sup>	4000 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens
Contrast	20,000:1	20,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	6500	6500	6500
Noise level (typical) <sup>2</sup>	28dB	28dB	28dB
Weight (kg)	4.85	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	HDCast Pro / WHD200	HDCast Pro / WHD200
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	EH319UST	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 <sup>1</sup>	3500 ANSI lumens	4000 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens
Contrast	18,000:1	20,000:1	20,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	6500	6500	6500	10,000
Noise level (typical) <sup>2</sup>	28dB	28dB	28dB	26dB
Weight (kg)	4.78	4.85	4.78	4.63
Dimensions (W x D x H mm)	385 x 310 x 120	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	±5° vertical	±15° vertical	±15° vertical	±15° vertical
Offset	118%	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)	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	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-	-
Features	100" @ 0.55m, Crestron RoomView™, PJLink™, Shadow free presentations   	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, IR Pen Interactive   

# Projectors

## Ultra short throw










Model name	W319USTire	W319USTe	X320USTi
			
Resolution	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	4:3 native, 16:9 compatible
Brightness <sup>1</sup>	3500 ANSI lumens	3500 ANSI lumens	4000 ANSI lumens
Contrast	18,000:1	18,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	10,000	6500
Noise level (typical) <sup>2</sup>	26dB	26dB	28dB
Weight (kg)	4.63	4.63	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	0.27:1	0.27:1	0.33:1
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	1.77 - 2.54m (70.0" - 100") diagonal 4:3
Keystone correction	±15° vertical	±15° vertical	±15° vertical
Offset	115%	115%	117%
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	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-
Features	100" @ 0.42m, Crestron RoomView™, PJLink™ Shadow free presentations, IR Pen Interactive	100" @ 0.31m, Crestron RoomView™, PJLink™ Shadow free presentations	100" @ 0.42m, Crestron RoomView™, PJLink™ Shadow free presentations, TouchBeam Interactive
			

## Ultra short throw











Model name	X320UST	X319USTe	EH460ST	EH415ST
				
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	1080p (1920 x 1080)	1080p (1920 x 1080)
Aspect ratio	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible
Brightness <sup>1</sup>	4000 ANSI lumens	3300 ANSI lumens	4200 ANSI lumens	3500 ANSI lumens
Contrast	20,000:1	18,000:1	20,000:1	15,000:1
Lamp life (max hrs) <sup>3</sup>	6500	10,000	4500	7000
Noise level (typical) <sup>2</sup>	28dB	26dB	29dB	37dB
Weight (kg)	4.78	4.63	2.95	3.4
Dimensions (W x D x H mm)	385 x 310 x 120	385 x 310 x 120	345 x 216 x 109	286 x 266 x 124
Throw ratio	0.33:1	0.33:1	0.5:1	0.5:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Image size (native)	1.77 - 2.54m (70.0" - 100") diagonal 4:3	1.77 - 2.54m (70.0" - 100") diagonal 4:3	1.51 - 3.88m (59.6" - 152.7") diagonal 16:9	1.49 - 3.8m (59" - 152") diagonal 16:9
Keystone correction	±15° vertical	±15° vertical	±40° vertical	±20° vertical
Offset	117%	117%	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) + 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
Speaker (W)	16	16	10	10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	WHD200 / WUSB	HDCast Pro / WHD200
Bag	-	-	-	✓
Features	100" @ 0.42m, Crestron RoomView™, PJLink™, Shadow free presentations	100" @ 0.31m, Crestron RoomView™, PJLink™, Shadow free presentations	Crestron RoomView™, PJLink™, HV keystone Office viewer, Optional wireless	Crestron RoomView™, PJLink™
				

# Projectors

## Short throw


Model name	EH200ST	W460ST	W316ST
			
Resolution	1080p (1920 x 1080)	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
Brightness <sup>1</sup>	3000 ANSI lumens	4200 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	6500	4500	8000
Noise level (typical) <sup>2</sup>	26dB	29dB	28dB
Weight (kg)	2.65	2.95	2.76
Dimensions (W x D x H mm)	315 x 224 x 114	345 x 216 x 109	315 x 224 x 102
Throw ratio	0.49:1	0.525:1	0.524:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	1.15 - 7.67m (45.3" - 300") diagonal 16:9	1.48 - 3.8m (58.4" - 149.5") diagonal 16:10	1.09m - 5.62m (44.3" - 221.5") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	112%	112.4%	112.4%
Lens shift	-	-	-
Connections	2x HDMI (1.4a 3D support) + MHL v1.2, Audio out 3.5mm, 12V trigger, 3D-sync, mini USB 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	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, 2x Audio in 3.5mm, Mic in (shared with Audio2 in), VGA out, Audio out 3.5mm, RJ45, RS232, mini USB mouse/service
Speaker (W)	10	10	10
Optional wireless	HDCast Pro / WHD200	WHD200 / WUSB	WHD200
Bag	✓	-	-
Features	90° @ 1m  	HV keystone, Office viewer, Optional wireless  	Crestron RoomView™, PJLink™  

## Short throw
















Model name	W305ST	W303ST	X316ST	X305ST
				
Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	XGA (1024 x 768)	XGA (1024 x 768)
Aspect ratio	16:10 native, 16:9/4:3 compatible	16:10 native, 16:9/4:3 compatible	4:3 native, 16:9 compatible	4:3 native, 16:9 compatible
Brightness <sup>1</sup>	3200 ANSI lumens	3000 ANSI lumens	3400 ANSI lumens	3000 ANSI lumens
Contrast	18,000:1	18,000:1	20,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	6000	6000	8000	6000
Noise level (typical) <sup>2</sup>	29dB	29dB	28dB	29dB
Weight (kg)	2.55	2.55	2.76	2.55
Dimensions (W x D x H mm)	288 x 220 x 86	288 x 220 x 86	315 x 224 x 102	288 x 220 x 86
Throw ratio	0.524:1	0.524:1	0.524:1	0.626:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Image size (native)	1.13 - 5.67m (44.64" - 223.21") diagonal 16:10	1.13 - 5.67m (44.64" - 223.21") diagonal 16:10	1.51 - 2.69m (59.8" - 106.1") diagonal 4:3	1.00 - 5.0m (39.34" - 196.71") 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), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, Audio in 3.5mm VGA out, Audio out 3.5mm, RS232, mini USB mouse/service	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, Audio in 3.5mm VGA out, Audio out 3.5mm, RS232, mini USB mouse/service	HDMI (1.4a 3D support), 2x VGA (RGB/YPbPr/Wireless), S-Video, Composite, 2x Audio in 3.5mm, Mic in (shared with Audio2 in), VGA out, Audio out 3.5mm, RJ45, RS232, mini USB mouse/service	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
Speaker (W)	2	2	10	2
Optional wireless	WHD200	WHD200	WHD200	WHD200
Bag	-	-	-	-
Features	60° @ 0.68m  	60° @ 0.68m  	Crestron RoomView™, PJLink™ 	60° @ 0.77m 

# Projectors

## Desktop / Install







Model name	WU470	WU416	DU400
			
Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
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 <sup>1</sup>	5000 ANSI lumens	4200 ANSI lumens	4000 ANSI lumens
Contrast	20,000:1	20,000:1	15,000:1
Lamp life (max hrs) <sup>3</sup>	4500	7000	7000
Noise level (typical) <sup>2</sup>	29dB	32dB	32dB
Weight (kg)	2.95	2.99	2.99
Dimensions (W x D x H mm)	345 x 216 x 109	315 x 224 x 114	315 x 224 x 114
Throw ratio	1.39 ~ 2.09:1	1.4 ~ 2.24:1	1.4 ~ 2.24:1
Zoom type	1.5x 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
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	108%	94%	94%
Lens shift	-	V +13%	V +13%
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
Speaker (W)	10	10	10
Optional wireless	WHD200 / WUSB	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-
Features	HV keystone, Office viewer, Optional wireless   	Crestron RoomView™, PJLink™   	Crestron RoomView™, PJLink™   

## Desktop / Install









Model name	EH470	EH461	EH416	DH401
				
Resolution	1080p (1920 x 1080)	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	16:9 native, 4:3 compatible
Brightness <sup>1</sup>	5000 ANSI lumens	5000 ANSI lumens	4200 ANSI lumens	4000 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1	15,000:1
Lamp life (max hrs) <sup>3</sup>	4500	4500	7000	7000
Noise level (typical) <sup>2</sup>	29dB	29dB	32dB	32dB
Weight (kg)	2.95	2.95	2.99	2.99
Dimensions (W x D x H mm)	345 x 216 x 109	345 x 216 x 109	315 x 224 x 114	315 x 224 x 114
Throw ratio	1.39 ~ 2.09:1	1.22 ~ 1.46:1	1.4 ~ 2.24:1	1.4 ~ 2.24:1
Zoom type	1.5x manual	1.2x manual	1.6x 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	0.66 - 7.7m (26.21" - 303.3") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	115%	115%	99%	99%
Lens shift	-	-	V +17%	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	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	WHD200 / WUSB	WHD200 / WUSB	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-	-
Features	HV keystone, Office viewer, Optional wireless   	HV keystone, Office viewer, Optional wireless   	Crestron RoomView™, PJLink™   	Crestron RoomView™, PJLink™   

# Projectors

## Desktop / Install

Model name	EH400+	W416	W402
			
Resolution	1080p (1920 x 1080)	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
Brightness <sup>1</sup>	4000 ANSI lumens	4500 ANSI lumens	4500 ANSI lumens
Contrast	22,000:1	20,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	8000	7000	7000
Noise level (typical) <sup>2</sup>	29dB	32dB	31dB
Weight (kg)	2.52	2.99	2.57
Dimensions (W x D x H mm)	298 x 230 x 96.5	315 x 224 x 114	315 x 224 x 102
Throw ratio	1.13 ~ 1.47:1	1.47 ~ 2.35:1	1.28 ~ 1.536:1
Zoom type	1.3x	1.6x manual	1.2x manual
Image size (native)	0.58 - 6.4m (22.9" - 300") diagonal 16:9	0.65 - 7.7m (25.66" - 303.2") diagonal 16:10	0.93 - 7.65m (36.6" - 301") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	115%	96.20%	112.4%
Lens shift	-	V + 16.2%	-
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 (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, USB service	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
Speaker (W)	10	10	10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	✓
Features	Crestron RoomView™, PJLink™ 	Crestron RoomView™, PJLink™ 	Crestron RoomView™, PJLink™ 







## Desktop / Install

Model name	W461	W400+	W355	W354
				
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 <sup>1</sup>	5000 ANSI lumens	4000 ANSI lumens	3600 ANSI lumens	3400 ANSI lumens
Contrast	20,000:1	22,000:1	22,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	4500	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB	29dB
Weight (kg)	2.95	2.52	2.52	2.52
Dimensions (W x D x H mm)	345 x 216 x 109	298 x 230 x 96.5	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	1.28 ~ 1.54:1	1.19 ~ 1.54:1	1.19 ~ 1.54:1	1.19 ~ 1.54:1
Zoom type	1.2x manual	1.3x	1.3x	1.3x
Image size (native)	0.94 - 5.21 (37.2" - 204.2") 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	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	111%	112.4%	112.4%	112.4%
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) + 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	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	16
Optional wireless	WHD200 / WUSB	-	-	-
Bag	-	-	-	-
Features	HV keystone, Office viewer, Optional wireless 	Crestron RoomView™, PJ Link™ 	Crestron RoomView™, PJ Link™ 	Crestron RoomView™, PJ Link™ 











# Projectors

## Desktop / Install

Model name	X461	X600	X416
			
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>	5000 ANSI lumens	6000 ANSI lumens	4300 ANSI lumens
Contrast	20,000:1	10,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	4500	4000	7000
Noise level (typical) <sup>2</sup>	29dB	28dB	32dB
Weight (kg)	2.95	3.6	2.99
Dimensions (W x D x H mm)	345 x 216 x 109	326 x 254 x 104	315 x 224 x 114
Throw ratio	1.6 ~ 1.92:1	1.8 ~ 2.11:1	1.39 ~ 1.9:1
Zoom type	1.2x manual	1.15x manual	1.36x manual
Image size (native)	0.65 - 7.81 (25.6" - 307.5") diagonal 4:3	0.71 - 8.34m (28.01" - 328.38") diagonal 4:3	0.85 - 7.63m (33.62" - 300.7") diagonal 4:3
Keystone correction	±40° vertical	± 30° vertical	±40° vertical
Offset	114%	112%	98.10%
Lens shift	-	-	V +16.9%
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, 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 v2.2, 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	3	10
Optional wireless	WHD200 / WUSB	-	HDCast Pro / WHD200
Bag	-	✓	-
Features	HV keystone, Office viewer, Optional wireless	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™
			







## Desktop / Install

Model name	X402	X400+	X355	X354
				
Resolution	XGA (1024 x 768)	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	4:3 native, 16:9 compatible
Brightness <sup>1</sup>	4200 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens	3300 ANSI lumens
Contrast	20,000:1	22,000:1	22,000:1	18,000:1
Lamp life (max hrs) <sup>3</sup>	7000	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	31dB	29dB	29dB	29dB
Weight (kg)	2.57	2.52	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	298 x 230 x 96.5
Throw ratio	1.6 ~ 1.92:1	1.49 ~ 1.93:1	1.49 ~ 1.93:1	1.49 ~ 1.93:1
Zoom type	1.2x manual	1.3x	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	0.78 - 7.65m (30.6" - 301.1") diagonal 4:3	0.78 - 7.65m (30.6" - 301.1") 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), 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	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	16
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	✓	-	-	-
Features	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™
				











# Projectors

## Mobile







Model name	WUX337	WUX335	WUX334
			
Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
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 <sup>1</sup>	3600 ANSI lumens	3600 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	15,000	15,000	15,000
Noise level (typical) <sup>2</sup>	27dB	27dB	27dB
Weight (kg)	2.95	2.93	2.91
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.58 ~ 2.06:1	1.47 ~ 1.62:1	1.47 ~ 1.62:1
Zoom type	1.3x	1.1x	1.1x
Image size (native)	0.66 - 7.59m (27" - 299") diagonal 16:10	0.74 - 7.62m (29" - 300") diagonal 16:10	0.74 - 7.62m (29" - 300") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	110%	110%	110%
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, 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
Speaker (W)	10	10	10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-
Features	Crestron RoomView™, PJLink™	Crestron RoomView™, PJLink™	
			

## Mobile









Model name	EH400	EH345	EH343	EH341
				
Resolution	1080p (1920 x 1080)	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	16:9 native, 4:3 compatible
Brightness <sup>1</sup>	4000 ANSI lumens	3200 ANSI lumens	3000 ANSI lumens	3500 ANSI lumens
Contrast	22,000:1	22,000:1	22,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	10,000	10,000	7000
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB	29dB
Weight (kg)	2.41	2.47	2.47	2.55
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	315 x 224 x 102
Throw ratio	1.47 ~ 1.63:1	1.13 ~ 1.47:1	1.13 ~ 1.47:1	1.48 ~ 1.62:1
Zoom type	1.1x	1.3x	1.3x	1.1x manual
Image size (native)	0.58 - 7.62m (22.9" - 300") diagonal 16:9	1.01 - 7.62m (39.92" - 299.81") diagonal 16:9	1.01 - 7.62m (39.92" - 299.81") diagonal 16:9	1.06 - 7.75m (41.8" - 305") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±30° vertical
Offset	115%	116%	116%	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, 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	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 v1.2, VGA (YPbPr/RGB), USB-A power (1A), RS232, mini USB mouse/service
Speaker (W)	2	10	10	10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-	-
Features	Crestron RoomView™, PJLink™			
				

# Projectors

## Mobile







Model name	EH337	EH335	EH334
			
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>	3600 ANSI lumens	3600 ANSI lumens	3600 ANSI lumens
Contrast	20,000:1	20,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	15,000	15,000	15,000
Noise level (typical) <sup>2</sup>	27dB	27dB	27dB
Weight (kg)	2.91	2.93	2.91
Dimensions (W x D x H mm)	316 x 244 x 108	316 x 244 x 108	316 x 244 x 108
Throw ratio	1.58 ~ 2.06:1	1.47 ~ 1.62:1	1.47 ~ 1.62:1
Zoom type	1.3x	1.1x	1.1x
Image size (native)	0.69 - 7.59m (27" - 299") 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, 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	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
Speaker (W)	10	10	10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-
Features		Crestron RoomView™, PJLink™	
			

## Mobile









Model name	DH350	W400	W345	W344
				
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 <sup>1</sup>	3200 ANSI lumens	4000 ANSI lumens	3300 ANSI lumens	3100 ANSI lumens
Contrast	22,000:1	22,000:1	22,000:1	22,000:1
Lamp life (max hrs) <sup>3</sup>	12,000	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	25dB	29dB	29dB	29dB
Weight (kg)	2.87	2.41	2.41	2.41
Dimensions (W x D x H mm)	316 x 244 x 108	298 x 230 x 96.5	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	1.47 ~ 1.62:1	1.55 ~ 1.73:1	1.19 ~ 1.54:1	1.19 ~ 1.54:1
Zoom type	1.1x	1.1x	1.3x	1.3x
Image size (native)	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	0.92 - 7.65m (36.1" - 301.1") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	116%	112.4%	112.4%	112.4%
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, 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 Power (1A)/service
Speaker (W)	10	2	2	2
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-	-
Features				
				

# Projectors

## Mobile









Model name	W341	W340	W331
			
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 <sup>1</sup>	3600 ANSI lumens	3400 ANSI lumens	3300 ANSI lumens
Contrast	22,000:1	20,000:1	22,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB
Weight (kg)	2.17	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	1.55 ~ 1.73:1	1.55 ~ 1.73:1	1.55 ~ 1.73:1
Zoom type	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
Keystone correction	±40° vertical	±40° vertical	±40° vertical
Offset	112.4%	112.4%	112.4%
Lens shift	-	-	-
Connections	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	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A mouse/service
Speaker (W)	2	2	2
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	WHD200
Bag	-	-	-
Features			

## Mobile











Model name	W330	X400	X345	X344
				
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 <sup>1</sup>	3000 ANSI lumens	4000 ANSI lumens	3200 ANSI lumens	3000 ANSI lumens
Contrast	20,000:1	22,000:1	22,000:1	22,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB	29dB
Weight (kg)	2.17	2.41	2.41	2.41
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	298 x 230 x 96.5
Throw ratio	1.55 ~ 1.73:1	1.95 ~ 2.15:1	1.49 ~ 1.93:1	1.49 ~ 1.93:1
Zoom type	1.1x manual	1.1x	1.3x	1.3x
Image size (native)	0.68 - 8.04m (26.78" - 316.5") diagonal 16:10	0.71 - 7.73m (27.78" - 301.4") diagonal 4:3	0.78 - 7.65m (30.6" - 301.1") diagonal 4:3	0.78 - 7.65m (30.6" - 301.1") diagonal 4:3
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	112.4%	115%	115%	115%
Lens shift	-	-	-	-
Connections	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, 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	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
Speaker (W)	2	2	2	2
Optional wireless	WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-	-
Features				

# Projectors

## Mobile








Model name	X341	X340	DX349
			
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>	3300 ANSI lumens	3100 ANSI lumens	3000 ANSI lumens
Contrast	22,000:1	22,000:1	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)	2.17	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	1.94 ~ 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, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service
Speaker (W)	2	2	2
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-
Features	 	 	 

## Mobile

Model name	S341	S340	DS349	S331
				
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 <sup>1</sup>	3500 ANSI lumens	3300 ANSI lumens	3300 ANSI lumens	3200 ANSI lumens
Contrast	22,000:1	22,000:1	20,000:1	22,000:1
Lamp life (max hrs) <sup>3</sup>	10,000	10,000	10,000	10,000
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB	29dB
Weight (kg)	2.17	2.17	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	298 x 230 x 96.5
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, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, VGA out, Audio in 3.5mm, Audio out 3.5mm, RS232, USB-A Power (1A)/service	HDMI (1.4a 3D support), 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, Audio out 3.5mm, USB-A power(1A)/service
Speaker (W)	2	2	2	2
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Bag	-	-	-	-
Features	 	 	 	 

# Projectors

## Mobile

Model name	DS348	S321	DS347
			
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 <sup>1</sup>	3000 ANSI lumens	3200 ANSI lumens	3000 ANSI lumens
Contrast	20,000:1	22,000:1	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)	2.17	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	1.94 ~ 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	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	-	-
Optional wireless	HDCast Pro / WHD200	-	-
Bag	-	-	-
Features	 		







## Ultra mobile

## Ultra mobile LED

Model name	W304M	X304M	LH150	ML1050ST
				
Resolution	WXGA (1280 x 800)	XGA (1024 x 768)	1080p (1920 x 1080)	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	16:10 native, 16:9/4:3 compatible
Brightness <sup>1</sup>	3100 ANSI lumens	3000 ANSI lumens	1300 LED brightness <sup>3</sup> TBC	1000 LED brightness <sup>3</sup>
Contrast	10,000:1	10,000:1	40,000:1 TBC	20,000:1
Lamp life (max hrs) <sup>3</sup>	5000	5000	20,000 (LED life) TBC	20,000 (LED life)
Noise level (typical) <sup>2</sup>	33dB	33dB	TBC	22dB
Weight (kg)	1.4	1.4	TBC	0.42
Dimensions (W x D x H mm)	220 x 178 x 71	220 x 178 x 71	280 x 191 x 55	112.5 x 123 x 57
Throw ratio	1.53 ~ 1.76:1	1.9 ~ 2.2:1	1.2:1	0.8:1
Zoom type	1.15x manual	1.15x manual	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	0.63 - 5.08m (25" - 200") diagonal 16:10
Keystone correction	±30° vertical	±30° vertical	±30° vertical (auto)	±40° vertical (auto)
Offset	114%	114%	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	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	1.5
Optional wireless	WHD200	WHD200	WUSB	WUSB
Bag	✓	✓	✓	✓
Features	Smallest and brightest WXGA projector  	Smallest and brightest XGA projector 	Horizontal keystone, Native office viewer, Bluetooth, Optional wireless presenting, Built in battery   	Native office viewer, Media player, 3GB memory, Optional wireless presenting, 17ms Input lag    

## Projectors

### Ultra mobile LED

Model name	ML750ST	ML750e	ML330
			
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 <sup>1</sup>	800 LED brightness <sup>§</sup>	700 LED brightness <sup>§</sup>	500 LED brightness <sup>§</sup>
Contrast	20,000:1	15,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	20,000 (LED life)	20,000 (LED life)	20,000 (LED life)
Noise level (typical) <sup>2</sup>	22dB	30dB	34dB
Weight (kg)	0.42	0.38	0.46
Dimensions (W x D x H mm)	112.5 x 123 x 57	105 x 106 x 39	157 x 133 x 35
Throw ratio	0.8:1	1.5:1	1.2:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	0.63 - 5.08m (25" - 200") diagonal 16:10	0.43 - 2.54m (17" - 100") diagonal 16:10	0.25 - 3.05m (10" - 120") diagonal 16:10
Keystone correction	±40° vertical (auto)	±40° vertical	±40° vertical (auto)
Offset	100%	100%	100%
Lens shift	-	-	-
Connections	HDMI + MHL v2.0, Universal I/O - VGA, Audio out 3.5mm, microSD card slot, USB-A reader/wireless	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
Speaker (W)	1.5	1	2
Optional wireless	WUSB	WUSB	Built in WiFi and Bluetooth
Bag	✓	✓	✓
Features	Native office viewer, Media player, 3GB memory, Optional wireless presenting, 17ms Input lag	Native office viewer, Media player, 1.5GB memory, Optional wireless presenting	Android 4.4 KitKat, also available in gold
			

## 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

## Home

Model name	UHZ65	UHD65	UHD60
			
Resolution	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)
Brightness <sup>1</sup>	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) <sup>3</sup>	20,000	15,000	15,000
Noise level (typical) <sup>2</sup>	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/YpPr), 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/YpPr), 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/YpPr), 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	
			







## Home

Model name	UHD550X	UHD40	UHD300X	GT5500+
				
Resolution	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	1080p (1920 x 1080)
Brightness <sup>1</sup>	2800 ANSI lumens	2400 ANSI lumens	2200 ANSI lumens	3600 ANSI lumens
Contrast	500,000:1	500,000:1	250,000:1	25,000:1
Lamp life (max hrs) <sup>3</sup>	15,000	15,000	15,000	6500
Noise level (typical) <sup>2</sup>	25dB	25dB	25dB	28dB
Weight (kg)	7.8	5.22	5.22	4.78
Dimensions (W x D x H mm)	498 x 331 x 141	392 x 281 x 118	392 x 281 x 118	385 x 310 x 120
Throw ratio	1.39 ~ 2.22:1	1.2 ~ 1.59:1	1.2 ~ 1.59:1	0.25:1
Zoom type	1.6x manual	1.3x manual	1.3x manual	Fixed
Images size (native)	0.67 - 7.68m (26.45" - 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	2.03 - 2.54m (80" - 100") diagonal 16:9
Keystone correction	-	-	-	±5° vertical
Offset	100%	105%	105%	118%
Lens shift	V +15%	V +10%	V +10%	-
Connections	HDMI 2.0, HDMI v1.4 + MHL v2.2, VGA (RGB/YpPr), Audio in 3.5mm, Audio out S/PDIF, Audio out 3.5mm, 12V trigger, RS232, RJ45, USB-A Power (1.5A), USB-A service	2x HDMI 2.0, VGA (RGB/YpPr), 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/YpPr), 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 (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 service
Speaker (W)	2x 4	2x 5	2x 5	16
Optional wireless	-	-	-	WHD200
Features				100" @ 0.3m
				











# Projectors

## Home







Model name	GT5000+	GT1080Darbee	GT1080e
			
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness <sup>1</sup>	3200 ANSI lumens	3000 ANSI lumens	3000 ANSI lumens
Contrast	23,000:1	28,000:1	25,000:1
Lamp life (max hrs) <sup>3</sup>	6500	8000	6500
Noise level (typical) <sup>2</sup>	28dB	26dB	26dB
Weight (kg)	4.78	2.66	2.65
Dimensions (W x D x H mm)	385 x 310 x 120	315 x 224 x 114	315 x 224 x 114
Throw ratio	0.25:1	0.49:1	0.49:1
Zoom type	Fixed	Fixed	Fixed
Images size (native)	2.03 - 2.54m (80" - 100") 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	±5° vertical	±40° vertical	±40° vertical
Offset	118%	116%	116%
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 service	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
Speaker (W)	16	20	10
Optional wireless	WHD200	WHD200	WHD200
Features	100" @ 0.3m	100" @ 1.08m, DynamicBlack technology	DynamicBlack technology
			

## Home









Model name	GT1070Xe	HD39Darbee	HD29Darbee	HD27LV
				
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness <sup>1</sup>	2800 ANSI lumens	3500 ANSI lumens	3200 ANSI lumens	4000 ANSI lumens
Contrast	23,000:1	32,000:1	30,000:1	22,000:1
Lamp life (max hrs) <sup>3</sup>	6500	15,000	8000	8000
Noise level (typical) <sup>2</sup>	26dB	28dB	26dB	26dB
Weight (kg)	2.65	2.81	2.38	2.41
Dimensions (W x D x H mm)	315 x 224 x 114	315 x 224 x 114	298 x 230 x 96.5	298 x 230 x 96.5
Throw ratio	0.49:1	1.4 ~ 2.24:1	1.48 ~ 1.62:1	1.47 ~ 1.63:1
Zoom type	Fixed	1.6x manual	1.1x manual	1.1x
Images size (native)	1.15 - 7.67m (45.3" - 300") diagonal 16:9	0.66 - 7.7m (26.21" - 303.3") diagonal 16:9	0.71 - 7.75m (27.88" - 305.3") diagonal 16:9	0.58 - 7.62m (22.9" - 300") diagonal 16:9
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical
Offset	116%	99%	116%	116%
Lens shift	-	V +17%	-	-
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 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	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	DynamicBlack technology	Dynamic Black technology	Dynamic Black technology	
				

# Projectors

## Home




Model name	HD27e	HD144X	HD143X
			
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Brightness <sup>1</sup>	3400 ANSI lumens	3200 ANSI lumens	3000 ANSI lumens
Contrast	25,000:1	23,000:1	23,000:1
Lamp life (max hrs) <sup>3</sup>	12,000	12,000	12,000
Noise level (typical) <sup>2</sup>	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	1.1x	1.1x
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 / HDCast Pro	WHD200	WHD200
Features	DynamicBlack technology	DynamicBlack technology	DynamicBlack technology
			

## Home




Model name	GT760	H114	H183X	ML330
				
Resolution	720p (1280 x 800 native)	720p (1280 x 800 native)	720p (1280 x 800 native)	720p (1280 x 800 native)
Brightness <sup>1</sup>	3400 ANSI lumens	3400 ANSI lumens	3200 ANSI lumens	500 LED brightness <sup>5</sup>
Contrast	20,000:1	27,000:1	25,000:1	20,000:1
Lamp life (max hrs) <sup>3</sup>	6000	8000	8000	20,000 (LED life)
Noise level (typical) <sup>2</sup>	29dB	29dB	29dB	34dB
Weight (kg)	2.55	2.17	2.17	0.46
Dimensions (W x D x H mm)	288 x 220 x 86	298 x 230 x 96.5	298 x 230 x 96.5	157 x 133 x 35
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)	1.13 - 5.67m (44.64" - 223.21") diagonal 16:10	0.68 - 8.04m (26.87" - 316.5") diagonal 16:10	0.68 - 8.04m (26.87" - 316.5") diagonal 16:10	0.25 - 3.05m (10" - 120") diagonal 16:10
Keystone correction	±40° vertical	±40° vertical	±40° vertical	±40° vertical (auto)
Offset	115%	112.4%	112.4%	100%
Lens shift	-	-	-	-
Connections	HDMI (1.4a 3D support), 2x VGA (RGB/YpPr/Wireless), S-Video, Composite, Audio in 3.5mm VGA out, Audio out 3.5mm, RS232, mini USB mouse/service	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, 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, RS232, USB-A mouse/service	HDMI + MHL, AV in, Audio out 3.5mm, SPDIF, microSD card slot, 2x USB-A reader, RJ45
Speaker (W)	2	2	2	2
Optional wireless	WHD200	WHD200	WHD200	Built in WiFi and Bluetooth
Features				Android 4.4 KitKat, also available in gold
				

## 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	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-1095PMG+	DS-1109PMG+	DS-1123PMG+
			
Format	16:10	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	2340 x 1463	2656 x 1660
Diagonal viewing (inch)	95	109	123
Black border R & L (mm)	50	47	50
Black border bottom (mm)	60	40	40
Black border top (mm)	300	300	300
Weight (kg)	11.3	13.38	20
Case dimensions (W x D x H mm)	2250 x 112 x 86 (including brackets)	2554 x 112 x 86 (including brackets)	2920 x 118 x 132

### 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 x 112 x 86




### Tab tension

Model name	DE-9106ETT-B	DE-1109ETT	DE-1123ETT	DE-3100EGA
				
Format	16:9	16:10	16:10	4:3
Gain	1	1	1	1
Screen material	PS series flexible fabric, matte white	PS series flexible fabric, matte white	PS series flexible fabric, matte white	Matte white
Viewing size (W x H mm)	2346 x 1320	2346 x 1466	2656 x 1660	2030 x 1520
Diagonal viewing (inch)	106	109	123	100
Black border R & L (mm)	80	80	80	50
Black border bottom (mm)	55	55	55	55
Black border top (mm)	400	400	400	80
Weight (kg)	18.4	18.4	20.7	12.5
Case dimensions (W x D x H mm)	2843 x 142 x 152	2843 x 142 x 152	3158 x 142 x 152	2280 x 108 x 113




### Electric

## Screens





### Electric

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




### Manual pull up

Model name	DP-3072MWL	DP-3084MWL	DP-9046MWL
			
Format	4:3	4:3	16:9
Gain	1	1	1
Screen material	Matte white	Matte white	Matte white
Viewing size (W x H mm)	1463 x 1097	1707 x 1280	1016 x 572
Diagonal viewing (inch)	72	84	46
Black border R & L (mm)	35	35	25
Black border bottom (mm)	680	800	210
Black border top (mm)	25	25	20
Weight (kg)	5.63	6.33	2.8
Case dimensions (W x D x H mm)	1620 x 115 x 115	1867 x 115 x 115	1124 x 140 x 84

### Electric

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

### Manual pull up

Model name	DP-1082MWL	DP-1095MWL	ALR100
			
Format	16:10	16:10	16:9
Gain	1	1	0.42
Screen material	Matte white	Matte white	Ambient light rejecting
Viewing size (W x H mm)	1770 x 1106	2030 x 1267	2214 x 1245
Diagonal viewing (inch)	82	95	100
Black border R & L (mm)	28	35	-
Black border bottom (mm)	907	698	-
Black border top (mm)	25	35	-
Weight (kg)	6.46	7.5	13
Case dimensions (W x D x H mm)	1930 x 115 x 155	2192 x 115 x 155	2330 x 380 x 160

### Fixed frame



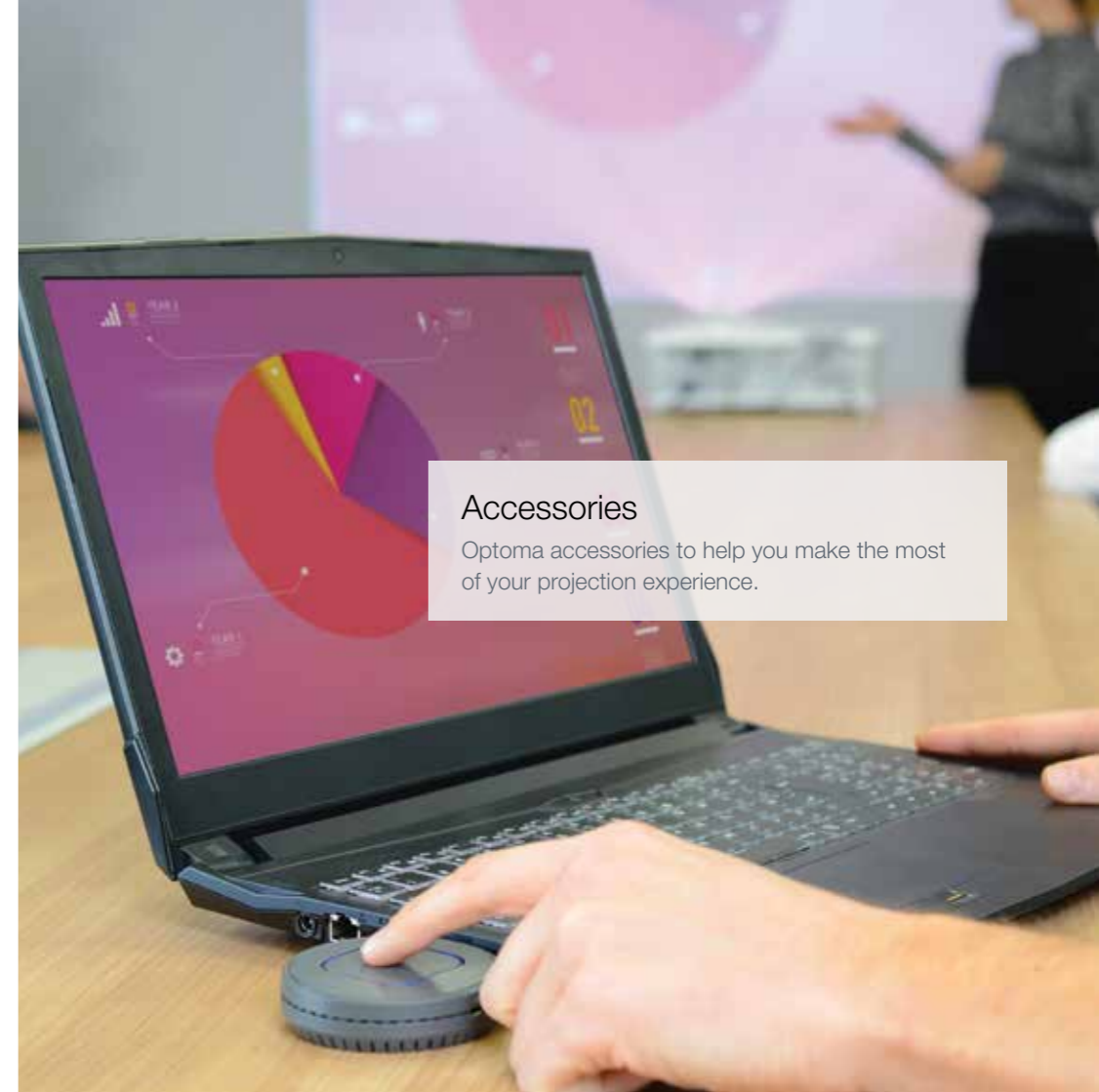
Optoma ALR100 screen compared to a standard front projection screen - in a brightly lit room.

## Document cameras

Model name	DC350	DC450	DC550
			
Resolution	XGA, 720	XGA, UXGA, 720 and 1080 support	XGA, UXGA, 720 and 1080 support
Camera	5MP	8MP	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

Model name	DC554
	
Resolution	XGA, UXGA, 720, 1080 and 4K support
Camera	13MP
Zoom	17x optical, 8x digital
SD card support	✓
Video recording	✓ (via USB or SD card)
Microscope adaptors	✓
Connections	VGA in/out, HDMI in/out
SmartDC	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



### 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.

### Wall mount

OWM3000



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

### Wall mount

OWM855W



Telescopic wall mount with height adjustment plate for easy installation. Designed for the Optoma 305ST / 316ST / 415ST short throw projector range.

### 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).

### 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 transmitter

QCTX



Additional transmitter for use with QuickCast bundle.

For a full list of accessories and compatible products visit [www.optoma.com](http://www.optoma.com)

## Accessories

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

To read more please visit [optoma.com](http://optoma.com)



### 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.

### ZD302 3D glasses

E1A3E0000003



- DLP® Link™ technology
- Rechargeable
- Only 32g
- Up to 40 hours battery life
- Up to 15m range
- Included in the box: soft carry bag, cleaning cloth, 2x nose pieces, charging cable.
- Compatible with Optoma 3D Ready and Full 3D projectors.

For a full list of accessories and compatible products visit [www.optoma.com](http://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.



### 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.



### 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.



### 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.



### 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).



### 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.



### 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.



### 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.



### 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.



### 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.



### DARBEE

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



### 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.



### Android™

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

## 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.





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