Optoma

ProScene projector range
Spring 2019

PRO|SCENE

PRO|SCENE

For demanding professional applications

For more than two decades, Optoma has contributed a product into every new development of projection and has pioneered new award-winning products, targeting a spectrum of applications and environments.

Today, Optoma's ProScene range represents the evolution of projection expertise, designed exclusively for demanding professional applications. The ProScene range provides superb image quality, flexible and reliable projection to facilitate complicated installs, and offers a high level of service for customers. Optoma's dedicated ProScene experts are available from the initial design and planning of a project to the installation and beyond.

- ✓ Higher education
- ✓ Broadcast studios
- ✓ Live events
- ✓ Lecture theatres
- ✓ Large classrooms
- ✓ Projection Mapping

- ✓ Houses of worship
- ✓ Exhibitions
- ✓ Meeting rooms
- ✓ Museums
- ✓ Conference rooms
- ✓ Post production

- ✓ Auditoriums
- ✓ Digital Signage
- ✓ Theatre
- ✓ Boardrooms
- ✓ Stage shows
- ✓ Simulation

DuraCore laser technology

Why Optoma DuraCore laser technology?

Not all laser projectors are the same - Optoma's DuraCore laser technology offers industry-leading unique advantages which result in more reliable, flexible and longer lifetime overall.

DuraCore - Industry leading lifetime

DuraCore projectors are the ultimate in brightness consistency and reliability. To qualify for an exemplary DuraCore badge, an Optoma projector must have a minimum of 20,000 hours laser lifetime light source and be independently dust resistant certified. The combination of these two key criteria promises industry leading lifetime and durability.

Ultimate colour performance with MCL technology

Select models feature unique MCL (MultiColor Laser) technology. MCL adds a second red laser to the more usual blue. The result is greatly improved colour performance and a colour gamut that covers 99% of Rec. 709 standard.

DuraCore projectors

ZU1050/ ZU850
- Ultimate colour performance - 20,000 hours full brightness**
- Dust resistance IP6X certified
- 10,000 / 8200 lumens interchangeable dual colour WUXGA laser projector

ZU750
- Ultimate colour performance - 20,000 hours full brightness**
- Dust resistance IP5X certified
- 8000 lumens interchangeable WUXGA laser projector

ZU660e
- New improved colour - 20,000 hours full brightness**
- Dust resistant IP5X certified
- 6500 lumens interchangeable WUXGA laser projector

ZU500T/ ZH500T/ ZW500T / ZU500TST
- Brighter for longer - 20,000 hours full brightness mode**
- Dust resistant IP5X certified
- 5000 lumens compact fixed lens WUXGA/1080p/WXGA laser projectors

ZU550T/ ZH550T / ZW550T
- Brighter for longer - 30,000 hours full brightness mode**
- Dust resistant IP5X certified
- 5500 lumens compact fixed lens WUXGA/1080p/WXGA laser projectors

ZW300USTe/ie
- Superb for signage - 20,000 hours full brightness**
- Dust resistant IP5X certified
- 4000 lumens fixed lens ultra short throw 1080p laser projector

ZH400USTi / ZH400UST
- Superb for signage - 20,000 hours full brightness**
- Dust resistant IP5X certified
- 4000 lumens fixed lens ultra short throw 1080p laser projector

ZW400USTi / ZW400UST
- Superb for signage - 20,000 hours full brightness**
- Dust resistant IP5X certified
- 4000 lumens fixed lens ultra short throw WXGA laser projector

ZH420UST
- Superb for signage with advanced feature set
- Dust resistant IP5X certified
- 4000 lumens fixed lens ultra short throw 1080p laser projector

** Full brightness "normal" (100% power) mode, temperature 25°C

Projectors

ProScene

Model name	ZU1050	ZU850	ZU750
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[1]	10,000 centre lumens (9500 ANSI lumens)	8200 Centre lumens (8000 ANSI lumens)	8000 Centre lumens (7500 ANSI Lumens)
Contrast	2000:1, 2,000,000:1 (with Extreme Black)	2000:1, 2,000,000:1 (with Extreme Black)	2000:1, 2,000,000:1 (with Extreme Black)
Light source type	DuraCore MultiColor Laser	DuraCore MultiColor Laser	DuraCore Laser
Light source expected lifetime (max hrs.)[2]	20,000**	20,000**	20,000
Noise level (typical)[3] dB	32	32	36
Weight (kg)	23 (without lens)	23 (without lens)	17.2 (without lens)
Dimensions (W x D x H mm)	484 x 509 x 185	484 x 509 x 185	484 x 509 x 185
Throw ratio	0.36 ~ 5.5:1 (dependent upon lens)	0.36 ~ 5.5:1 (dependent upon lens)	0.36 ~ 5.5:1 (dependent upon lens)
Zoom type	dependent upon lens	dependent upon lens	dependent upon lens
Image size (native)	1.27 - 7.62m (50" - 300") diagonal 16:10 (dependent upon lens)	1.27 - 7.62m (50" - 300") diagonal 16:10 (dependent upon lens)	1.27 - 7.62m (50" - 300") diagonal 16:10 (dependent upon lens)
Keystone correction	±20° V, ±20° H	±20° V, ±20° H	±20° V and H
Lens shift	±50% V, ±15% H (dependent upon lens)	±50% V, ±15% H (dependent upon lens)	±50% V, ±15% H (dependent upon lens)
Connections	Inputs: HDMI, VGA (YPbPr/RGB), 3D sync, DVI-D, HDBaseT™, BNC; Outputs: VGA (YPbPr/RGB), 3D sync; HDMI, Control: RS232, wired remote, USB-A service, mini USB service, RJ45	HDBaseT™, HDMI, DVI-D, VGA (YPbPr/RGB), Component, 3G SDI, VGA Out, HDMI Out, USB-A power/wireless, RJ45, RS232, wired remote in, wired remote out, USB service	2x HDMI, DVI-D, VGA, HDBaseT™, 3D sync, VGA out, 3D sync, USB-A power 1A, RS232, Wired remote, mini USB service, RJ45
Speaker (W)	-	-	-
Optional wireless	WHD200	WHD200	WHD200
Features	IP6x sealed optical engine, 7x optional lens, motorised full lens shift, Crestron RoomView™, PJLink™; 360° operation; Portrait projection, Geometric correction (4 corner), Integrated edge blending processor	IP6x sealed optical engine, 7x optional lens, motorised full lens shift, Crestron RoomView™, PJLink, 360° operation, Portrait projection, Geometric correction (4 corner), Integrated edge blending processor	Laser light source, 7x optional lens, motorised full lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection

ProScene

Model name	ZU660e	4K550	4K550ST	ZU550T
Resolution	WUXGA (1920 x 1200)	4K UHD (3480 x 2160)	4K UHD (3480 x 2160)	WUXGA (1920 x 1200)
Aspect ratio	16:10 native, 16:9/4:3 compatible	16:9 native	16:9 native	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	6500 Centre lumens (6000 ANSI Lumens)	5000 ANSI lumens	4500 ANSI lumens	5500 ANSI lumens
Contrast	2000:1, 2,000,000:1 (with Extreme Black)	50,000:1	50,000 :1	30,000:1 (dynamic black enabled)
Light source type	DuraCore Laser	Lamp	Lamp	DuraCore Laser
Light source expected lifetime (max hrs.)[2]	20,000	5000	5000	30,000 hours to 50% brightness**
Noise level (typical)[3] dB	36	32	32	28
Weight (kg)	17 (without lens)	5.8	5.8	11
Dimensions (W x D x H mm)	484 x 509 x 185	392.6 x 281.6 x 129	392.6 x 281.6 x 129	405 x 387 x 159
Throw ratio	0.36 ~ 5.5:1 (dependent upon lens)	1.41 ~ 2.24:1	0.782:1	1.2 ~ 1.92:1
Zoom type	dependent upon lens	1.6	Fixed	1.6x manual
Image size (native)	1.27 - 7.62m (50" - 300") diagonal 16:10 (dependent upon lens)	0.67 - 7.67m (26.45" - 302.2") diagonal 16:9	0.73 - 7.63m (28.89" - 300.46") diagonal 16:9	0.71 - 7.67m (30" - 300") diagonal 16:10
Keystone correction	±20° V and H	-	-	±30° V, ±30° H, with four corner
Lens shift	±50% V, ±15% H lens dependant	15% V	10% V	+20% V, ±10% H
Connections	HDBaseT™, HDMI, DVI-D, VGA (YPbPr/RGB), Component, VGA Out, USB-A power/wireless RJ45, RS232, wired remote in, wired remote out, USB service, 3d Sync	HDMI 2.0, HDMI (1.4a 3D support), 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 (1.4a 3D support), 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	HDBaseT™, 2x HDMI, VGA in/out, USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger; Mic in, Audio in, Audio out
Speaker (W)	-	2 x 5	2 x 5	2 x 10
Optional wireless	WHD200	-	-	WUSB Pro / WHD200
Features	Laser light source, 7x optional lens, motorised full lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection	Crestron RoomView™, PJLink™, Geometric correction (4 corner)	Crestron RoomView™, PJLink™, Geometric correction (4 corner)	IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)

Projectors

Model name	ZH550T	ZW550T	ZU500T
Resolution	1080p (1920 x 1080)	WXGA (1280 x 800)	WUXGA (1920 x 1200)
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[1]	5500 ANSI lumens	5500 ANSI lumens	5000 ANSI lumens
Contrast	30,000:1 (dynamic black enabled)	30,000:1 (dynamic black enabled)	30,000:1 (dynamic black enabled)
Light source type	DuraCore Laser	DuraCore Laser	DuraCore Laser
Light source expected lifetime (max hrs.)[2]	30,000 hours to 50% brightness**	30,000 hours to 50% brightness**	20,000 hours to 50% brightness**
Noise level (typical)[3] dB	28	28	28
Weight (kg)	11	11	11
Dimensions (W x D x H mm)	405 x 387 x 159	405 x 387 x 159	405 x 387 x 159
Throw ratio	1.2 ~ 1.92:1	1.26 ~ 2.01:1	1.2 ~ 1.922.13:1
Zoom type	1.6x manual	1.6 x manual	1.6x manual
Image size (native)	0.71 - 7.67m (30" - 300") diagonal 16:10	0.71 - 7.67m (30" - 300") diagonal 16:10	0.71 - 7.67m (30" to 300") diagonal 16:10
Keystone correction	±30° V, ±30° H, with four corner	±30° V, ±30° H with four corner	±30° V, ±30° H, with four corner
Lens shift	+25% V, ±10% H	+20% V, ±10% H	+20% V, ±10% H
Connections	HDBaseT™, 2x HDMI, VGA in/out, USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger, Mic in, Audio in, Audio out	HDBaseT™, 2x HDMI, VGA in/out, USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger, Mic in, Audio in, Audio out	HDBaseT™, 2x HDMI, VGA in/out, , USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger, Mic in, Audio in, Audio out
Speaker (W)	2 x 10	2 x 10	2 x 10
Optional wireless	WUSB Pro / WHD200	WUSB Pro / WHD200	WUSB Pro / WHD200
Features	IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)	IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)	Laser light source, IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)

Model name	ZH500T	ZW500T	ZU500TST	ZU506
Resolution	1080p (1920 x 1080)	WXGA (1280 x 800)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
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]	5000 ANSI lumens	5000 ANSI lumens	5000 ANSI lumens	5000 ANSI lumens
Contrast	30,000:1 (dynamic black enabled)	30,000:1 (dynamic black enabled)	30,000:1 (dynamic black enabled)	30000:1
Light source type	DuraCore Laser	DuraCore Laser	DuraCore Laser	Laser
Light source expected lifetime (max hrs.)[2]	20,000 hours to 50% brightness**	20,000 hours to 50% brightness**	30,000 hours to 50% brightness**	30,000 hours to 50% brightness**
Noise level (typical)[3] dB	28	28	28	28
Weight (kg)	11	11	11	5.5
Dimensions (W x D x H mm)	405 x 387 x 159	405 x 387 x 159	405 x 387 x 159	374.0 X 302 X 118
Throw ratio	1.2 ~ 1.92:1	1.26 ~ 2.012.24:1	0.79:1	1.4 ~ 2.24:1
Zoom type	1.6x manual	1.6 x manual	-	1.6x manual
Image size (native)	0.71 - 7.67m (30" to 300") diagonal 16:9	0.71 - 7.67m (30" to 300") diagonal 16:10	0.71 - 7.67m (30" - 300") diagonal 16:10	0.73 -7.62m (29.1" - 300") diagonal 16:10
Keystone correction	±30° V, ±30° H, with four corner	±30° V, ±30° H, with four corner	±30° V, ±30° H with four corner	±30° V, ±30° H
Lens shift	+25% V, ±10% H	+20% V, ±10% H	+13% V, ±5% H	8% V
Connections	HDBaseT™, 2x HDMI, VGA in/out, , USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger, Mic in, Audio in, Audio out	HDBaseT™, 2x HDMI, VGA in/out, , USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger, Mic in, Audio in, Audio out	HDBaseT™, 2x HDMI, VGA in/out, USB-A power, RJ45, RS232, wired remote in, USB service, 12v trigger, Mic in, Audio in, Audio out	HDMI, HDMI/ MHL, USB A for power (5V, 1.5A), VGA in., Composite, Audio in 1 / Mic, Audio out, Audio in, VGA out, RS232, RJ45
Speaker (W)	2 x 10	2 x 10	2 x 10	2 x 10
Optional wireless	WUSB Pro / WHD200	WUSB Pro / WHD200	WUSB Pro / WHD200	WUSB Pro / WHD200
Features	Laser light source, IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)	Laser light source, IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)	IP5x sealed optical engine, Pure shift lens shift, Crestron RoomView™, PJLink™, 360° operation, Portrait projection, Geometric correction (4 corner)	Laser light source, IP5x sealed optical engine, Crestron RoomView™, PJLink™, Portrait projection, Geometric correction (4 corner)

* Specification is to be confirmed and is subject to change.   ** Full brightness "normal" (100% power) mode, temperature 25°C

Projectors

ProScene

Model name	ZH506	ZW506	WU615T
Resolution	1080p (1920 x 1080)	WXGA (1280 x 800)	WUXGA (1920 x 1200)
Aspect ratio	16:9 native, 4:3 compatible	16:10 native, 16:9/4:3 compatible	16:10 native and 16:9 / 4:3 compatible
Brightness[1]	5000 ANSI lumens	5000 ANSI lumens	6500 ANSI lumens
Contrast	30000:1	30000:1	10,000:1
Light source type	Laser	Laser	Lamp
Light source expected lifetime (max hrs.)[2]	30,000 hours to 50% brightness**	30,000 hours to 50% brightness**	3000 Eco / 2000 standard
Noise level (typical)[3] dB	28	28	37 Eco / 39 standard
Weight (kg)	5.5	5.5	6.4
Dimensions (W x D x H mm)	374.0 X 302 X 118	374.0 X 302 X 118	424 x 344 x 160
Throw ratio	1.4 ~ 2.24:1	1.47 ~ 2.36:1	1.2 ~ 2.16:1
Zoom type	1.6x manual	1.6x manual	1.8x manual
Image size (native)	0.718 -7.62m (28.3" - 300") 16:9	0.71 -7.62m (28" - 300") 16:10	0.71 - 7.62m (27.9" - 300") diagonal 16:10
Keystone correction	±30° V, ±30° H	±30° V, ±30° H	±30° V, ±30° H
Lens shift	15% V	15% V	+20% V, ±10% H
Connections	HDMI , HDMI/ MHL, USB A for power (5V, 1.5A), VGA in , Composite, Audio in 1 / Mic, Audio out, Audio in, VGA out, RS232, RJ45	HDMI , HDMI/ MHL, USB A for power (5V, 1.5A), VGA in , Composite, Audio in 1 / Mic, Audio out, Audio in, VGA out, RS232, RJ45, 12V trigger	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service
Speaker (W)	2 x 10	2 x 10	2 x 10
Optional wireless	WUSB Pro / WHD200	WUSB Pro / WHD200	HDCast Pro / WHD200
Features	Laser light source, IP5x sealed optical engine, Crestron RoomView™, PJLink™, Portrait projection, Geometric correction (4 corner)	Laser light source, IP5x sealed optical engine Crestron RoomView™, PJLink™, Portrait projection, Geometric correction (4 corner)	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™, vertical and portrait projection

ProScene

Model name	EH615T	EH615	WU515T	WU515
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
Aspect ratio	16:10 native and 16:9 / 4:3 compatible	16:9 native, 16:10 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	6200 ANSI lumens	6200 ANSI lumens	6000 ANSI lumens	6000 ANSI lumens
Contrast	10,000:1	10,000:1	10,000:1	10,000:1
Light source type	Lamp	Lamp	Lamp	Lamp
Light source expected lifetime (max hrs.)[2]	3000 Eco / 2000 standard	3000 Eco / 2000 bright	5000 Eco / 3000 bright	5000 Eco / 3000 bright
Noise level (typical)[3] dB	37 Eco / 39 standard	37 Eco / 39 standard	28	28
Weight (kg)	6.4	6.4	5.9	5.9
Dimensions (W x D x H mm)	424 x 344 x 160	424 x 344 x 160	424 x 344 x 160	424 x 344 x 160
Throw ratio	1.2 ~ 2.16:1	1.2 ~ 2.16:1	1.2 ~ 2.16:1	1.2 ~ 2.16:1
Zoom type	1.8x manual	1.8x manual	1.8x manual	1.8x manual
Image size (native)	0.69 - 7.62m (27.2" - 300") diagonal 16:9	0.69 - 7.62m (27.2" - 300") diagonal 16:9	0.71 - 7.62m (27.9" - 300") diagonal 16:10	0.71 - 7.62m (27.9" - 300") diagonal 16:10
Keystone correction	±30° V, ±30° H	±30° V, ±30° H	±30° V, ±30° H	±30° V, ±30° H
Lens shift	+25% V, ±10% H	+25% V, ±10% H	+20% V, ±10% H	+20% V, ±10% H
Connections	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service
Speaker (W)	2 x 10	2 x 10	2 x 10	2 x 10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Features	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™, Vertical and Portrait Projection	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™, Vertical and Portrait Projection	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™

** Full brightness "normal" (100% power) mode, temperature 25°C

Projectors

Model name	EH515T	EH515	W515T
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	WXGA (1280 x 800)
Aspect ratio	16:9 native, 16:10 / 4:3 compatible	16:9 native, 16:10 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	5500 ANSI lumens	5500 ANSI lumens	6000 ANSI lumens
Contrast	10,000:1	10,000:1	10,000:1
Light source type	Lamp	Lamp	Lamp
Light source expected lifetime (max hrs.)[2]	5000 Eco / 3000 bright	5000 Eco / 3000 bright	5000 Eco / 3000 bright
Noise level (typical)[3] dB	28	28	28
Weight (kg)	5.9	5.9	5.9
Dimensions (W x D x H mm)	424 x 344 x 160	424 x 344 x 160	424 x 344 x 160
Throw ratio	1.2 ~ 2.16:1	1.2 ~ 2.16:1	1.26 ~ 2.268:1
Zoom type	1.8x manual	1.8x manual	1.8x manual
Image size (native)	0.69 - 7.62m (27.2" - 300") diagonal 16:9	0.62 - 7.65m (27.2" - 300") diagonal 16:9	0.67 - 7.62m (26.6" - 300") diagonal 16:10
Keystone correction	±30° V, ±30° H	±30° V, ±30° H	±30° V, ±30° H
Lens shift	+25% V, ±10% H	+25% V, ±10% H	+20% V, ±10% H
Connections	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	HDBaseT™, 2 x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2 x VGA (YPbPr/RGB), S-Video, Composite, 3 x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service
Speaker (W)	2 x 10	2 x 10	2 x 10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Features	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™

Model name	W515	X515	WU515TST	WU515ST
Resolution	WXGA (1280 x 800)	XGA (1024 x 768) up to UXGA	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	4:3 native, 16:9 compatible	16:10 native, 16:9 / 4:3 compatible	16:10 native, 16:9 / 4:3 compatible
Brightness[1]	6000 ANSI lumens	6500 ANSI lumens	5500 ANSI lumens	5500 ANSI lumens
Contrast	10,000:1	10,000:1	10,000:1	10,000:1
Light source type	Lamp	Lamp	Lamp	Lamp
Light source expected lifetime (max hrs.)[2]	5000 Eco / 3000 bright	5000 Eco / 3000 bright	5000 Eco / 3000 bright	5000 Eco / 3000 bright
Noise level (typical)[3] dB	28	28	28	28
Weight (kg)	5.9	5.9	6.1	6.1
Dimensions (W x D x H mm)	424 x 344 x 160	424 x 344 x 160	424 x 344 x 160	424 x 344 x 160
Throw ratio	1.26 ~ 2.268:1	1.243 ~ 2.238:1	0.79 :1	0.79 :1
Zoom type	1.8x manual	1.8x manual	Fixed	Fixed
Image size (native)	0.67 - 7.62m (26.6" - 300") diagonal 16:10	0.73 - 7.62m (28.6" - 300") diagonal 4:3	0.74 - 7.62m (29.38" - 300") diagonal 16:10	0.74 - 7.62m (29.38" - 300") diagonal 16:10
Keystone correction	±30° V, ±30° H	±30° V, ±30° H	±30° V, ±30° H	±30° V, ±30° H
Lens shift	+20% V, ±10% H	+10% V, ±10% H	+20% V, ±10% H	+20% V, ±10% H
Connections	2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2 x VGA (YPbPr/RGB), S-Video, Composite, 3 x Audio In (RCA/3.5mm), Mic In VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2 x VGA (YPbPr/RGB), S-Video, Composite, 3 x Audio In (RCA/3.5mm), Mic In VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3 x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service
Speaker (W)	2 x 10	2 x 10	2 x 10	2 x 10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Features	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™	Geometric correction (4 corner), Pure shift, Crestron RoomView™, PJLink™	Lens shift, Geometric correction (4 corner), Crestron RoomView™, PJLink™	Lens shift, Geometric correction (4 corner), Crestron RoomView™, PJLink™

Projectors

ProScene

Model name	EH515TST	EH515ST	ZH420UST
Resolution	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Aspect ratio	16:9 native, 16:10 / 4:3 compatible	16:9 native, 16:10 / 4:3 compatible	16:9 native, 4:3 compatible
Brightness[1]	5000 ANSI lumens	5000 ANSI lumens	4000 ANSI lumens
Contrast	10,000:1	10,000:1	100,000:1
Light source type	Lamp	Lamp	DuraCore Laser
Light source expected lifetime (max hrs.)[2]	5000 Eco / 3000 bright	5000 Eco / 3000 bright	20,000**
Noise level (typical)[3] dB	28	28	30
Weight (kg)	6.1	6.1	5.5
Dimensions (W x D x H mm)	424 x 344 x 160	424 x 344 x 160	382 x 310 x 124
Throw ratio	0.79:1	0.79:1	0.25:1
Zoom type	Fixed	Fixed	Fixed
Image size (native)	0.72 - 7.62m (28.59" - 300") diagonal 16:9	0.72 - 7.62m (28.59" - 300") diagonal 16:10	2.2 - 2.59m (87" - 102") diagonal 16:9
Keystone correction	±30° V, ±30° H	±30° V, ±30° H	±15° V
Lens shift	+25% V, ±10% H	+25% V, ±10% H	-
Connections	HDBaseT™, 2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In, VGA Out, Audio Out 3.5mm,USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	2x HDMI (1.4a 3D support) + MHL v2.0, DisplayPort, 2x VGA (YPbPr/RGB), S-Video, Composite, 3x Audio In (RCA/3.5mm), Mic In VGA Out, Audio Out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 12V trigger, 3D-Sync, wired remote, USB mouse/service	2x HDMI V1.4a, 1x HDBaseT/RJ45, VGA, 3.5mm Audio, VGA-out, 3.5mm Audio out, RS232, Mini USB (service), USB power 1.5A
Speaker (W)	2 x 10	2 x 10	1 x 10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Features	Lens shift, Geometric correction (4 corner), Crestron RoomView™, PJLink™	Lens shift, Geometric correction (4 corner), Crestron RoomView™, PJLink™	Geometric correction (4 corner), built in edge blending, PIP/PBP, Crestron RoomView™, PJLink™, portrait projection, downward projection

ProScene

Model name	ZH400USTi	ZH400UST	ZW400USTi	ZW400UST
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	4000 ANSI lumens	4000 ANSI lumens
Contrast	100,000:1	100,000:1	100,000:1	100,000:1
Light source type	DuraCore Laser	DuraCore Laser	DuraCore Laser	DuraCore Laser
Light source expected lifetime (max hrs.)[2]	20,000**	20,000**	20,000**	20,000**
Noise level (typical)[3] dB	30	30	30	30
Weight (kg)	8.8	8.8	8.8	8.8
Dimensions (W x D x H mm)	382 x 310 x 124	382 x 310 x 124	384 x 310 x 124	383 x 310 x 124
Throw ratio	0.25:1	0.25:1	0.27:1	0.27:1
Zoom type	Fixed	Fixed	Fixed	Fixed
Image size (native)	2.2 - 2.59m (87" - 102") diagonal 16:9	2.2 - 2.59m (87" - 102") diagonal 16:9	2.15 - 2.92m (85" - 115") diagonal 16:10	2.15 - 2.92m (85" - 115") diagonal 16:10
Keystone correction	±15° V	±15° V	±15° V	±15° V
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 reader/wireless, RJ45, RS232, 12V trigger, 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 reader/wireless, RJ45, RS232, 12V trigger, mini USB (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 reader/wireless, RJ45, RS232, 12V trigger, 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 reader/wireless, RJ45, RS232, 12V trigger, mini USB (service)
Speaker (W)	1 x 10	1 x 10	1 x 10	1 x 10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Features	Crestron RoomView™, PJLink™, portrait projection, downward projection	Crestron RoomView™, PJLink™, portrait projection, downward projection	Crestron RoomView™, PJLink™, portrait projection, downward projection	Crestron RoomView™, PJLink™, portrait projection, downward projection

* Specification is to be confirmed and is subject to change.   ** Full brightness "normal" (100% power) mode, temperature 25°C

Projectors

ProScene

Model name	WU416	EH416	EH512
Resolution	WUXGA (1900 x 1200)	1080p (1920 x 1080)	1080p (1920 x 1080)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	16:9 native, 4:3 compatible	16:9 native, 4:3 compatible
Brightness[1]	4200 ANSI lumens	4200 ANSI lumens	5000 ANSI lumens
Contrast	20,000:1	20,000:1	15,000:1
Light source type	Lamp	Lamp	Lamp
Light source expected lifetime (max hrs.)[2]	7000	7000	7000
Noise level (typical)[3] dB	32	32	30
Weight (kg)	2.99	2.99	4.6
Dimensions (W x D x H mm)	315 x 224 x 114	315 x 224 x 114	336 x 258 x 105
Throw ratio	1.4 ~ 2.24:1	1.4 ~ 2.24:1	1.41 ~ 2.24:1
Zoom type	1.6x manual	1.6x manual	1.6x manual
Image size (native)	0.68 - 7.75m (26.94" - 305.1") diagonal 16:10	0.66 - 7.7m (26.21" - 303.3") diagonal 16:9	2.2 - 2.59m (87" - 102") diagonal 16:9
Keystone correction	±40° V	±40° V	±30° V and H
Lens shift	+13% V	+17% V	+17% V
Connections	2x HDMI (1.4a 3D support) + MHL v2.2, 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, 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, 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)	1 x 10	1 x 10	1 x 10
Optional wireless	HDCast Pro / WHD200	HDCast Pro / WHD200	HDCast Pro / WHD200
Features	Vertical lens shift, Horizontal keystone, Eco⁺, Crestron RoomView™, PJLink™	Vertical lens shift, Horizontal keystone Eco⁺, Crestron RoomView™, PJLink™	Vertical lens shift, Crestron RoomView™, PJLink™

ProScene

Model name	W504	X600
Resolution	WXGA (1280 x 800) up to UXGA	XGA (1024 x 768)
Aspect ratio	16:10 native, 16:9 / 4:3 compatible	4:3 native, 16:9 compatible
Brightness[1]	5000 ANSI lumens	6000 ANSI lumens
Contrast	15,000:1	10,000:1
Light source type	Lamp	Lamp
Light source expected lifetime (max hrs.)[2]	4500	4000
Noise level (typical)[3] dB	30	28
Weight (kg)	4.6	3.6
Dimensions (W x D x H mm)	336 x 258 x 105	326 x 254 x 104
Throw ratio	1.48 ~ 2.35:1	1.8 ~ 2.1:1
Zoom type	1.6x manual	1.15x manual
Image size (native)	0.65 - 7.65m (25.66" - 301.15") diagonal 16:10	0.71 - 8.34m (28.01" - 328.38") diagonal 4:3
Keystone correction	±30° V, ±30° H	±30° V
Lens shift	+16.2% V	–
Connections	3x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, 2x Audio in 3.5mm, VGA out, Audio out 3.5mm, USB-A Power (1.5A), RJ45, RS232, 3D-Sync, USB remote mouse	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
Speaker (W)	2 x 16	1 x 3
Optional wireless	HDCast Pro / WHD200	–
Features	Vertical lens shift, Crestron RoomView™, PJLink™	Eco⁺, Crestron RoomView™, PJLink™

Optional lenses

ZU1050 / ZU850 / ZU750 / ZU660e

	A15	A01	A06	A02*	A03	A13
Throw ratio	0.75 ~ 0.95	0.95 ~ 1.22	1.22 ~ 1.52	1.22 ~ 1.53	1.52 ~ 2.92	2.90 ~ 5.50

* A02 lens not suitable for ZU1050, ZU850 or ZU750, use A06 as alternative

ZU1050 / ZU850 / ZU750 / ZU660e

BX-CTA16	
Throw ratio	0.36
Zoom type	Fixed

ZU1050 / ZU850 / ZU750 / ZU660e

BX-CTADOME	
Field of view	180°
Dome size	3-10m

* Specification is to be confirmed and is subject to change.   ** Full brightness "normal" (100% power) mode, temperature 25°C

Supported solutions - signal processing

All Optoma signal processors and HDBaseT™ equipment are supported solutions optimised for use with our ProScene projectors. This significantly reduces the complexity and configuration time required to edge blend multiple ProScene projectors. This is also covered by the industry leading ProScene technical support services should you require assistance with your edge blending project.

Image blending and warping processor
GB-200

The GB-200 is a fully featured dual-channel image blending and warping processor with multi-layer black level and colour correction.

It's a powerful and intuitive image blending and warping processor that provides the ability to merge overlapping edges of two or more projected images creating a seamless single image.

	GB-200
Simple edge blending (flat surface)	•
Simple edge blending (curved surface)	•
Advanced edge blending	•
Black-level uplift	•
Simple stacking and geometry (4-corner and H / V keystone)	•
Advanced stacking (warp grids via PC tool)	•
90 degree rotation	-
Curved wall correction	•
Masking (using image file)	-
Colour matching	•
Auto blending / stacking	○
Video sources e.g. DVD / Blu-ray	-
PC sources	•

○ Additional software required

Supported solutions - presentation scaler-switchers

The all-in-one solution for professional AV applications

- ✓ Education
- ✓ Corporate AV
- ✓ Hotel
- ✓ Training rooms
- ✓ Events
- ✓ Broadcast
- ✓ IMAG

PS200

PS200T

PS300T

Model	PS200	PS200T	PS300T
HDMI 4K inputs	•(2)	•(2)	•(2)
HDMI HD input	•	•	•
DVI/HDMI HD input	•	•	•
HDBaseT 4K input	-	•	•
DisplayPort 4K input	•	•	•
Component input	DVI-U	DVI-U	DVI-U
Composite input	•	•	•
VGA Analog input	•	•	•
3G-SDI input(s)	-	-	•(2)
Streaming video input (via network port)	•	•	•
Analogue audio input and outputs	•	•	•
Power amp 2 x 15W (RMS)	•	•	•
DVI / HDMI HD output	•	•	•
HDMI 4K output	•	•	•
HDBaseT 4K output	-	•	•
3G-SDI output	-	-	•
3G-SDI audio embed/de-embed and SPDIF	-	-	•
HQUltra 4K low-latency processing	•	•	•
HQUltraFast high speed input switching	•	•	•
Picture in Picture (PiP)	-	-	•
TCP/IP webserver and API control	•	•	•
Genlock – H and V or crosslock	-	-	•
Pan, zoom, tilt	•	•	•
Videowall mode with auto PTZ	•	•	•

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.

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

Accessories

HDCast Pro HDMI dongle
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 AirPlay®, Miracast™ and DLNA™.

WUSB
SP.71Z01GC01

This wireless USB adapter enables the wireless features on compatible Optoma projector's so you can display presentation materials wirelessly from a mobile device, laptop or Mac to your projector.

1080p 3D wireless HDMI system
WHD200

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

Flight case
(550T / 500T series)
FC510630

Hinged lid flight case to hold either 550T or 500T series with custom foam inserts on castors with extra compartment.

Heavy-duty trigger clamp
SFFPROCLAMP

The SFFPROCLAMP is a heavy-duty trigger clamp set for use with the SFFPRO1 and SFFPRO2 flying/stacking frames. Includes 2x heavy-duty trigger clamps and 2x frame clamp mounts. Suitable for trussing with a maximum diameter of 51mm.

Universal ceiling mount
OCM818W-RU / OCM818B-RU

Universal flush ceiling mount – available in black and white. Max load 15kg.

Universal ceiling mount
OCM815B / OCM815W

Universal pole ceiling mount – available in black and white, with extension pole. Max load 15kg.

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.

Accessories

Flight case
(WU1500 / ZU1050 / ZU850 / ZU750 / ZU660e)
FC1500650

Hinged lid flight case to hold either WU1500 /ZU1050 / ZU850 / ZU750 / ZU660e with custom foam inserts and an extra compartment. Features heavy duty castors.

Heavy-duty flying / stacking frame
(WU1500)
SFFPRO1

The SFFPRO1 is a heavy-duty projector flying / stacking frame for use with the Optoma WU1500 projector. Using this frame, you can easily tilt, rotate and swivel the projector thanks to its fine adjustment mechanism.

Heavy-duty flying / stacking frame
(ZU1050/ ZU850/ ZU750 / ZU660e)
SFFPRO2

The SFFPRO2 is a heavy-duty projector flying / stacking frame for use with the Optoma ZU1050 / ZU850 / ZU750 / ZU660e range of projectors. Using this frame, you can easily tilt, rotate and swivel the projector thanks to its fine adjustment mechanism.

Heavy-duty trigger clamp
OCMPROCLAMP

The OCMPROCLAMP is a heavy-duty trigger clamp for use with the OCMPROS and OCMPROM ceiling mounts. Suitable for trussing with a maximum diameter of 51mm.

Heavy-duty ceiling mount
(ZU1050 / ZU850 / ZU750 / ZU660e)
OCMPROM (medium)

The OCMPROM is a heavy-duty projector ceiling mount for use with the Optoma ZU1050 / ZU850 / ZU750 / ZU660e range of projectors. Using this mount, you can easily tilt, rotate and swivel the projector thanks to its ball joint type adjustment.

Heavy-duty ceiling mount
(ZU1050 / ZU850 / ZU750 / ZU660e)
OCMPROS (short)

The OCMPROS is a heavy-duty projector ceiling mount for use with the Optoma ZU1050 / ZU850 / ZU750 / ZU660e range of projectors. Using this mount, you can easily tilt, rotate and swivel the projector thanks to its ball joint type adjustment.

Video colour wheel
SP.8JN07GC01

The enhanced-colour video wheel maximises colour performance and accuracy on the WU1500 projector. The colour wheels are interchangeable modules and can be fitted or exchanged on site without removing the projector cover.

Projector lamps

Optoma genuine lamp modules are designed specifically and uniquely for Optoma projectors. Visit the Optoma website for a full list of lamp part numbers.

Leisure and hospitality sector

Optoma's wide range of projectors are accommodating to all types of installations, no matter how difficult. Focusing on the growing Leisure and hospitality sector which has shown an increase in innovative installations and customer engaging displays.

"Leisure & Hospitality - up 73% 2016-2020 CAGR….demand will be largely driven by SSI solutions – as well as an overall desire for ever-more creative installations in order to attract visitors" (Futuresource, 2017)

Museums

Zoos

Sports stadium

Cinema

Arts, theatre, galleries

Hotels

Houses of worship

Nightclubs

Service and support

Optoma provides you with total support and service excellence. It is at the core of our ProScene philosophy. We are committed to delivering the highest standard of support to our partners.

Through ProDesign our partners have direct access to our dedicated in-house technical services team. The increase in demand for end to end support on larger and more challenging projects lead us to the creation of our ProDesign service. Our experienced engineers are available to assist from the initial design and planning, right through to commissioning and after install support.
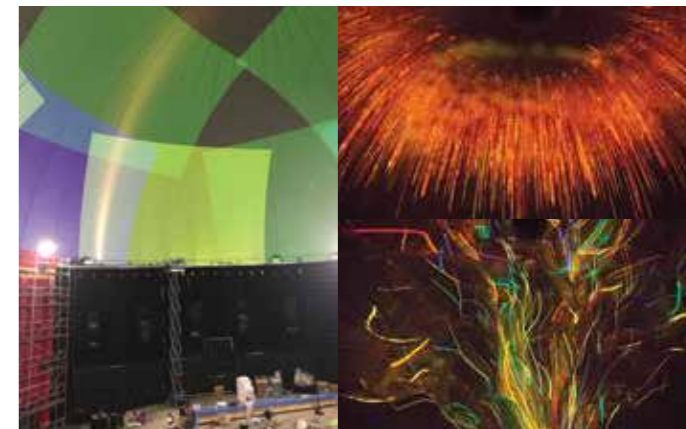

ProDesign example

Challenge: The Colosseum cinema in Oslo, wanted to create an unforgettable lightshow experience by projecting above the audience onto its iconic 32 metre high, 45 metre wide spherical dome.

Solution: Vioso blended and warped the imagery from 16x 8,200 lumen ZU850 laser projectors, installed around the base of the dome, to project one seamless image.

The Results: The Colosseum invited Cinema Plus customers, press and partners to the grand opening of its newly renovated ' Sal 1 at the end of September.

Espen Pedersen said: *"It looks amazing! The cinema guests are overwhelmed when the picture in the vignette moves from the cinema screen into the top of the dome."*

Case studies

Recent examples of how our customers and partners have used Optoma projectors to create unique and eye-catching solutions.

M&M's World, London

Optoma projectors used to create a stand-out interactive front window display for M&M's World's flagship store in London.

Moscow Design Centre M'ARS, Moscow

A range of Optoma projectors were selected to create a unique interactive audio visual art exhibition.

Central Children Store, Moscow

To inspire and bring the powerful wonders of magic to the Central Children Store, Moscow.

Faberge egg at Harrods, London

Optoma projectors were used to create a stunning 360-degree projection mapped luxury Faberge egg for Harrods' shop window.

Augmented climbing wall, Scandinavia

Augmented Climbing Wall is the world's first global gaming platform for climbing and bouldering walls. It combines projected graphics and body tracking to create interactive games and training applications.

World Trade Club, Dubai

The Belgian artists teamed up with entrepreneur creator Nadine Beshir to offer a unique new dining experience in Dubai and Abu Dhabi.

Moscow Oceanarium, Moscow

Norsken had to simulate an ocean at Moscow's Oceanarium in the centre of Russia's capital - where visitors could be 'pulled in' by a tide of immersive visuals, capturing the diversity of the flora and fauna of the world's oceans.

	M&M's World	Moscow Design Centre	Central Children Store	Faberge egg	Augmented climbing wall	World Trade Club	Moscow Oceanarium
Industry	Retail	Arts venue	Leisure and hospitality	Retail	Leisure and hospitality	Leisure and hospitality	Leisure and hospitality
Region	UK	Russia	Russia	UK	Scandinavia	Dubai	Russia
Type of solution	2x Optoma ZU650 laser phosphor projectors	Over 30 Optoma projectors including EH503, EH200ST and W307UST	18x Optoma GT1070X	16x Optoma EH415 projectors	Optoma X605	29x Optoma HD28DSE	10x Optoma EH200ST's (6 blended, 4 independently installed)
Installation company	Projection Artworks	M'ARS	Hello Computer's	Projection Artworks	Augmented Climbing Wall	Skullmapping	Norsken

For all ProScene case studies please visit **www.optoma.com**

Icons

4K Ultra HD

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.

Full 3D

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

Eco+

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

USB power

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

Speakers

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

Vertical lens shift

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

Lens shift

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

Media player

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

Ultra short throw

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

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.

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.

HDBaseT™

Simplify installation by transmitting uncompressed HD video, audio, Ethernet and control commands using a standard LAN cable of up to 100m.

DuraCore laser

Industry leading lifetime light source beyond 20,000 hours in full brightness mode with an independent IP dust certification for ultimate reliability.

MultiColor Laser

Advanced multi-colour laser diodes for superior colour rendering.

ProScene Certified Partners

Optoma understands that for ProScene customers, their high specification projector must be of exceptional quality and that the level of support and expertise provided by AV installers and integrators must also be of the highest calibre. To maintain this standard throughout, we have selected only the very best from within the AV industry to become ProScene Certified Partners. These rigorously selected partners understand your specific requirements and perhaps as importantly, they have direct access to the specially-trained Optoma support and service teams. Our dedicated experts are available from the initial design and planning phase of a project, right through to the installation stages and beyond. Through our partners, you'll have access to what is probably the most extensive network of service centres across Europe of any projector manufacturer.

Choosing your ProScene projector is just the start. Total support and service excellence are the core of the ProScene ideology, ensuring industry leading dedication to giving you the highest standard of expertise from Optoma and from our certified partners.

V1 - 21/03/19

Optoma

optoma.com