

# 4K UHD Short Throw Professional Installation Projector

## 4K550ST



### Bright 4K UHD projection with installation and network control flexibility



- Incredible 4K UHD (3840 x 2160) resolution with HDR10 and REC.2020 compatibility
- 4,500 lumens and 10,000:1 contrast ratio
- Project a bright 100-inch image from several feet away
- Short throw lens with 0.78:1 throw ratio
- 3D ready with DLP Link compatibility
- Extensive I/O with HDMI, 12v trigger, RS-232C and LAN control

PRO|SCENE

TRUE 4K 4K ULTRA HD™



Having a good brand strategy allows you to have a major advantage in gaining a large increase in your market competitions. Your brand tells your customers what they can have or expect from the products and services you offer.

- RESEARCH**  
A careful study or a systematic study in order to establish facts or to discover new information.
- IDEAS**  
Thoughts, opinions, creation, suggestions or something existing in the mind as to a possible course of action.
- ANALYSIS**  
A process to examine something in detail and to explain it as a basis for action.
- PLANNING**  
A detail or a process of thinking and organizing the steps to achieve a desired goal.



Project stunning 4K UHD images with the 4,500 lumen, short throw Optoma ProScene 4K550ST. Its 0.78:1 throw ratio, 10,000:1 contrast ratio and HDR compatibility provide razor-sharp, 100-inch projections from several feet away, making it ideal for space constrained environments or edge blending installations, such as corporate meeting spaces and houses of worship.

A Texas Instruments DLP chipset with XPR technology renders beautiful 4K UHD images. The high-performance DLP chipset displays 8.3-million distinct simultaneous pixels on screen and easily projects images up to 300-inches with incredible detail.

Vertical lens shift and 12V trigger provide installation flexibility. RS-232C and LAN connectivity enable simple integration and control via industry standards, including Crestron, IP Link, AMX and PJ-Link.

### CONNECTIVITY (May require optional accessories)



4K UHD Blu-ray Player



4K Game Console



4K Media Streaming



Computers

# 4K UHD SHORT THROW PROFESSIONAL INSTALLATION PROJECTOR - 4K550ST

## OPTICAL/TECHNICAL SPECIFICATIONS

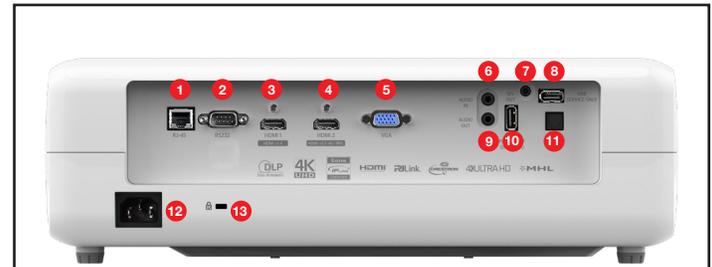
Display Technology	Texas Instruments 0.66" 4K UHD DMD
Color Wheel	6 Segment RYGCWB
Native Resolution	4K UHD (3840 x 2160) @ 60Hz w/ XPR technology
Maximum Resolution	4K (4096 x 2160)
Brightness	4,500 ANSI lumens
Contrast Ratio	10,000:1
Displayable Colors	1.07 billion
Light Source Life up to	5,000/4,000/3,000 (Dynamic/ECO/Bright)
Lamp Type*	Lamp
Projection Method	Front, rear, ceiling mount, table top
Vertical Lens Shift	Vertical lens shift 10%
Uniformity	75%
Offset	100%
Aspect Ratio	16:9 (native), 4:3, LBX and auto compatible
Throw Ratio	0.78:1
Projection Distance	1.6'-17.06'
Image Size	28.89"-300.46"
Projection Lens	F/2.5, f=11.66mm
Optical Zoom	Fixed
Digital Zoom	0.8-2.0x
Audio	2 x 5W
Noise Level	32dB (Eco)
Remote Control	Full size remote with laser
Operating Temperature	41-104°F (5-40°C), 85% max humidity
Power Supply	AC input 100-240V, 50-60Hz, auto-switching
Power Consumption	419W typical (Bright), 461W max (Bright), 331W typical (Eco), 364W max (Eco)
High Altitude	Operating temperature at sea level up to 10,000 feet = 104°F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality

## COMPATIBILITY SPECIFICATIONS

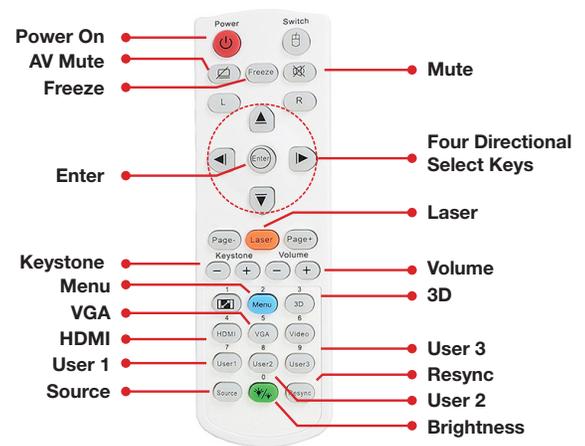
Computer Compatibility	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA, UHD
Video Compatibility	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p, 4K (3840x2160)
3D Compatibility†	Supports 120Hz frame sequential (1920 x 1080 @ 120 Hz)
Vertical Scan Rate	Vertical: 24Hz to 120Hz
Horizontal Scan Rate	Horizontal: 31 to 135 KHz
User Controls	RS-232, RJ45
I/O Connection Ports	1x HDMI (2.0 w/ HDCP 2.2, MHL 2.1), 1x HDMI (1.4a), 1x VGA, 1x audio (3.5mm), 1 x USB (power / 1.5A), 1x USB (service), 1x audio out (3.5mm), 1x S/PDIF (optical)
Loop Through (Audio)	Yes (stereo)
Control	RS-232, RJ45, 12V trigger

## PHYSICAL SPECIFICATIONS

Security	Kensington® lock port
Weight	13.01 lbs
Dimensions (W x H x D)	15.43" x 5.07" x 11.08"



- |          |                  |                      |
|----------|------------------|----------------------|
| 1. RJ-45 | 6. Audio In      | 11. S/PDIF           |
| 2. RS232 | 7. 12V Out       | 12. AC In            |
| 3. HDMI1 | 8. USB (service) | 13. Kensington™ Lock |
| 4. HDMI2 | 9. Audio Out     |                      |
| 5. VGA   | 10. USB (power)  |                      |



### Warranty

3-year Optoma Express advance exchange warranty, 1-year on lamp

### What's in the Box

AC power cable, remote control, batteries, quick start guide

### Optional Accessories

Remote, lamp, mount, 3D glasses

### Accessory Part Numbers

Mount: OCM815W, OCM818W-RU  
 DLP® Link™ 3D glasses: ZD302  
 Remote: BR-5080C  
 Lamp: BL-FU330C

UPC 796435 44 231 6

\*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time

†Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.

Optoma.com

