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

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.
**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**
5,000/4,200/3,000 (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, HDTV1080p, WUXGA, UHD

**Video Compatibility**
PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080p/1080i, 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"

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*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.