1080p DLP Cinema SuperColor™ SonicExpert™ Short Throw Home Entertainment Projector

ViewSonic®
See the difference™

Pro7827HD

Cinema SuperColor™ Technology, Cinema Viewing Experience

Offering cinematic colors and crisp images, the ViewSonic LightStream™ Pro7827HD is the ideal projector for home theater entertainment. Featuring Full HD 1080p resolution and iewSonic's Cinema SuperColor™ technology, this projector delivers incredible detail and brilliant color gradient coverage for a cinematic viewing experience. Designed with Rec.709 movie mode, ISF certified day and night modes, the Pro7827HD delivers optimized color for a true cinema experience. SonicExpert™, ViewSonic's proprietary sound enhancement technology, powers a 10W speaker to deliver incredibly clear and audible sound. PortAll™, a neatly designed enclosed HDMI/MHL dongle compartment that is compatible with a micro USB cable. With a shorter throw ratio, vertical lens shift, 1.3x optical zoom, smart design, and extensive connectivity, the Pro7827HD provides flexible and quick set-up in any home.

Incorporate Oscar Academy Award®-   **Cinema SuperColor™ Technology**

Winning TI DLP® DMD Display Technology

DLP display technology combines accurate, long lasting color with high native contrast ratios. Nowadays, about 90% of Movie Theaters use DLP technology for Digital Projection. The technology that started a revolution just got better!
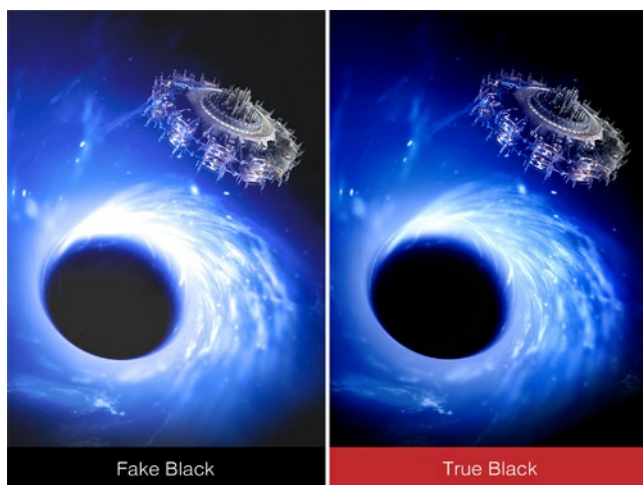

Best in class movie colors

ViewSonic delivers an amazing Cinema SuperColor™ which has taken movie color schemes into consideration. It satisfies these color schemes which involve several related colors for aesthetic color harmonies. For example, the Complementary Color Scheme features two main opposing colors, creating high contrast while viewing; the Analogous Color Scheme, features similar colors next to each other, creating a serene and comfortable sensation.

Crisp Images
True black & high contrast ratios

DLP projector utilizes "True Black" and "High Contrast Ratios" while 3LCD/LCD projectors utilize fake black. It improves projection accuracy, creating razor-sharp images for cinema, unlike other well-known technology projectors that use dark gray instead of "True Black" because of limited technology.

Fake Black   True Black

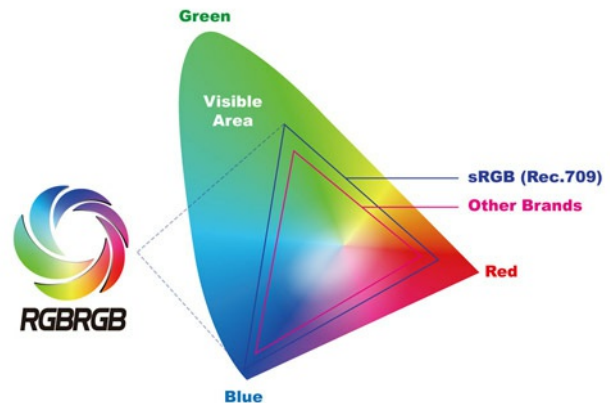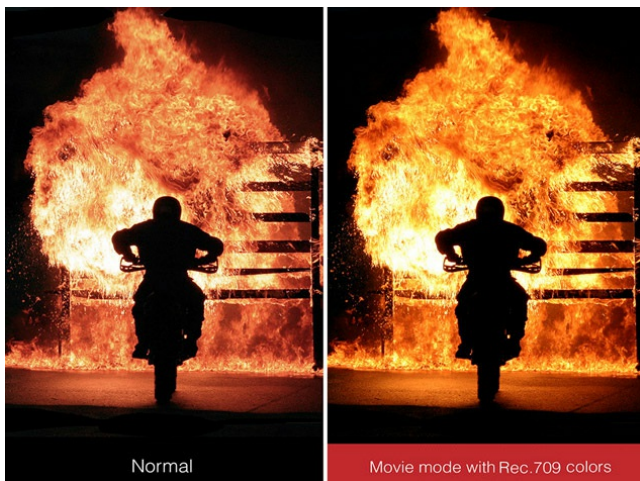## Cinema SuperColor™ RGBRGB Color Wheel
Brilliant color gradient

The SuperColor™ RGBRGB Color Wheel adopts a special coating to filter segmental spectrums of RGB, to intensify Red, Blue, and Green colors. It also focuses on Hue and Saturation enhancement, highlighting breathtaking images like sunrises, sunsets, or blue skies with intense color gradients, while other projectors can only partially cover these complex color gradients.

Normal   Cinema SuperColor™ RGBRGB Color Wheel

Movie Mode
International Rec.709 colors

ITU (International Telecommunication Union) recommends Rec.709 as the standards for high-definition TV. The Rec. 709 defines the color range, resolution, frame rate, and display specifications that applies to a variety of HD devices and DVDs/Blu-ray DVDs. It increases the visual performance to human eye. With just one mode, viewers are presented with a cinema-like experience！

DarkChip 3 DMD Chip
Enhances contrast levels

The DarkChip 3 DMD chip is designed for high-definition video rendering. It uses mirror reflections and a ±12 degree digital control method to project vivid, Full HD 1080p images. The chip delivers higher contrast without light transmission defects and eliminates noise to display true color depth.

International ISF Certified Image Calibration Tool
Customized day and night Modes

ISF (Imaging Science Research Lab) Certified for customized image calibration, this projector provides the calibration tools to allow ISF-certified technicians to provide on-site tuning of Day and Night modes. The customized fine-tuned mechanism will become the default option to fit each user's scenario requirement in bright and dark environments.

Full HD 1080p
The Finest Picture Quality

This ViewSonic projector features Full HD 1920x1080 (1080p) native resolution for the sharpest and clearest picture available. It delivers exceptional details and astonishing clarity for the best viewing experience. It is perfect for watching all types of high definition formats (1080p/1080i/720p) and content, including movies,

3 x HDMI Inputs with 3D Blu-ray Ready
Flexible connectivity to high-definition devices

Designed with 3 x HDMI ports, this projector can display 3D images directly from 3D Blu-ray players —perfect for connecting to any HDMI-enabled device.

videos, sports, games, and TV, without any distortion or scaling of the original video format.

HD | Full HD

SonicExpert™ Technology
Clear, comfortable, and louder sound over same-class projectors

Following a groundbreaking proprietary speaker transducer and chamber re-design, LightStream projectors deliver full-range sound 20Hz – 20KHz for presentations or off-the-clock home entertainment. The compact 10W speaker takes pride in quality sound with best-fit Sound Response Curve, and high efficiency of transferring electric power to sound power.
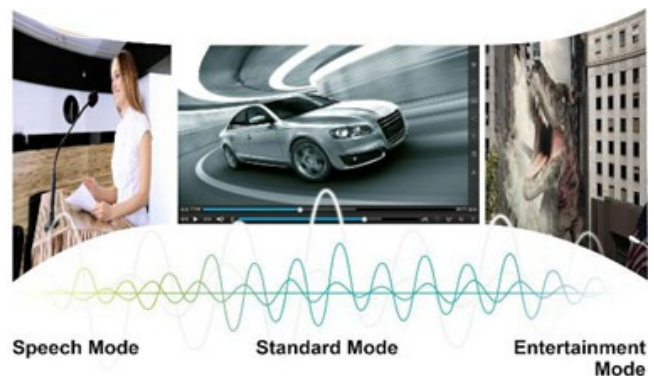

SonicMode
3 modes

The exclusive SonicMode sound settings deliver optimized audio performance for presentations, video clips and music. The "Standard" preset offers the best sound levels for general use. The "Speech" preset enhances the sound of spoken words, making it ideal for projecting speeches and lectures, or for sales calls and video conferencing. The "Entertainment" preset is fine-tuned with more bass and richer mid-high frequencies ideal for music and movies.

Speech Mode | Standard Mode | Entertainment Mode

PortAll™ : Secure MHL/HDMI Port
A clean design

ViewSonic's exclusive PortAll™ feature—a hidden compartment with an integrated and secure MHL/HDMI port that lets you discretely stream multimedia content from a wireless dongle, or lets you connect to other devices via an HDMI cable. * Wireless dongle is optional

Vertical Lens Shift
A Tool-free design knob for vertical image position adjustment for max. 20%

Unlike creating image quality deterioration from making Keystone adjustments, the lens shift function is the best image-positioning tool, preventing image quality loss. This tool-free control knob controls the lens shift function easily, so users can enjoy projection setup everywhere,
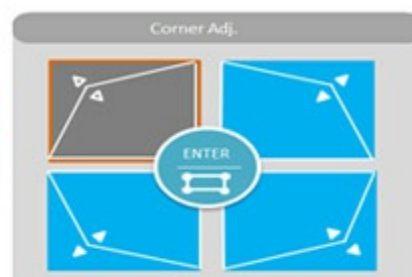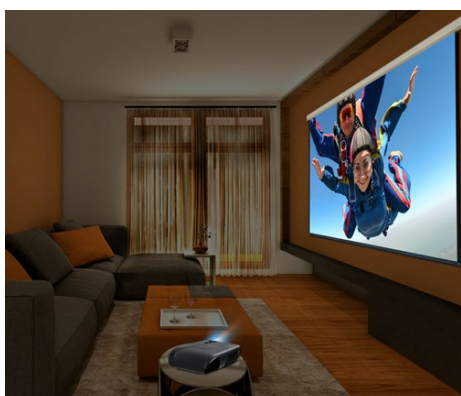
with less locational limitations. If further adjustment is needed, users can also utilize the vertical lens shift function and finally the Keystone function if absolutely necessary.

Complete Keystone plus 4 Corner Function
Easy image adjustment, with side projection

Horizontal and vertical keystone correction, as well as a 4 corner adjustment feature eliminates crooked and distorted images for a perfectly proportioned picture every time.

Extreme Mounting Flexibility

Wide Optical Zoom Lens
Enlarged images, flexible installation

Equipped with a 1.3x optical zoom lens, the LightStream projector provides mounting flexibility with a wider throw distance range. This zoom lens also enables the projector to project images up to 20% larger than a conventional projector equipped with a 1.1x lens.

Short Throw
Options for large projections in small places

The short throw lens enables large images to be projected from short distances in small rooms. This means there are no distracting shadows on the projected image, and no blinding lights in the eyes of presenters.

High-Powered USB Charging Port
For mobile devices and wireless HDMI dongle

The 5V/2A USB and Micro USB ports deliver more charging power 10W than a normal USB port, allowing users to charge mobile devices in less time. In addition, wireless HDMI dongles can be plugged into the projector's HDMI port while being powered by a USB cable plugged into the USB port for Full HD contents.

Smart Design

The cable management hood connects onto the back of the projector to hide unsightly cable clutter and exposed ports. An easy-access top lamp door enables simple lamp maintenance and replacement. The tactile keypad is raised with concave buttons that assist in making projector set up easier in dark environments.

Programmable Remote Control
Easy control

To satisfy presenter's needs, this remote control contains wireless presenter functions (mouse control, page up-n-down, etc.) and hotkeys for critical, major functions.

"My Button"
Setup your favorite hotkey

Finding a function on a remote control or through the on-screen menu can be time-consuming. The "My Button" button on the remote control is a programmable shortcut button that can be user-programmed to launch a commonly used or desired function.

App - vRemote
App controller with snapshot keystone and lamp life monitor

Never worry about missing a remote control again. Users can download vRemote, the virtual remote control, onto any IR or WiFi enabled smartphone. vRemote can instantly help users automatically correct

keystone with a simple snapshot of the projected image. In addition, administrators can remotely view the projectors' lamp working hours and adjust keystone.

Technical Specifications

DISPLAY		
	Resolution	1920x1080
	Brightness	2,200 ANSI Lumens
	Contrast	22,000 :1
	Lamp Hour (Normal / SuperEco Mode)	3500hrs / 6500hrs
	Throw Ratio in Meters (Wide ~ Tele)	1.1~1.5
	Optical Zoom	1.3x
	Digital Zoom	0.8x~2.0x
	Screen Size	30"~300"

	Projection Offset	110%~130%±5%
	Display Colours	1.07 Billion Colors (30 bits per color)
	Keystone	+/- 30° (Horizontal / Vertical)
	Noise min (Normal / SuperEco)	36dB / 31dB
	Lens Shift	Yes (+10%)
AUDIO	Speaker	10W Cube x1
INPUT CONNECTIVITY	HDMI/MHL	2
	HDMI	1
	VGA	1
	s-video	1
	Component	share with VGA input
	Composite	1
	Audio	3.5mm mini jack x 2
	USB Type A	1
	USB	Type A x1 (Power Charging) / Mini type B x1 (Maintenance and mouse control) / Micro USB Cable x1 (Power Charging)
	Microphone	share with Audio in 2 connector
OUTPUT CONNECTIVITY	VGA	1
	Audio	3.5mm mini jack x 1
CONTROL	RS232 (9 pin)	1
DIMENSIONS	Dimension (WxDxH)	316 x 228 x 103.7 mm
WEIGHT	Net Weight	2.6kg (5.73 lb)
POWER	Power Source	100~240Vac 50/60Hz
	Power Consumption	350W (Max.)
ACCESSORIES		Power cord / VGA cable / Remote Control (with batteries) / Cable cover / Quick Start Guide & CD
REGULATIONS		CB, CCC, cTUVus, CE, FCC,C-Tick, ROHS, REACH, SVHC, WEEE, ErP, EAC, TUV-S Mark(Argentina), CECP, NOM,Mexico Energy Test