LightStream™ Full HD Valued Projector

ViewSonic®
See the difference™

Super COLOR™ True Color Technology   Sonic Expert®   SonicMode   PORTAll™   ✕MHL™ Mobile High-Definition Link   HDMI x2

Impressive Audiovisual Performance with Smart Design

The ViewSonic LightStream™ PJD7720HD 1080p valued projector features 3,200 lumens, Full HD 1920 x 1080 native resolution, an intuitive, user-friendly design and a sleek chassis. Exclusive SuperColor™ technology offers a 6-Segment Color Wheel - 120% brilliant color, for true-to-life image projection, while SonicExpert™, ViewSonic's proprietary sound enhancement technology, powers a 10W cube speaker to deliver incredibly clear and audible sound. PortAll™ - a neatly designed enclosed HDMI/MHL connection compartment, supports wireless HDMI dongles or MHL connectors. With a smart design, the PJD7720HD is the ideal projector for high definition presentations.

SuperColor™ Technology: Best in Class Color Accuracy

ViewSonic's proprietary SuperColor™ Technology

PortAll™: Enclosed HDMI/MHL Dongle Compartment
A clean look

offers a wider color range than conventional DLPR projectors, ensuring that users enjoy realistic and accurate colors. With an exclusive color wheel design and dynamic lamp control capabilities, SuperColor™ Technology projects images with reliable and true-to-life color performance, in both bright and dark environments, without sacrificing image quality.

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
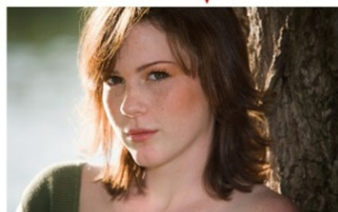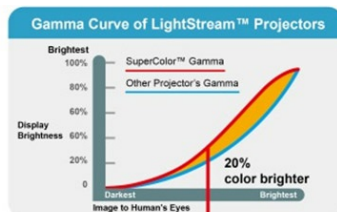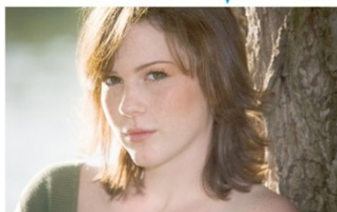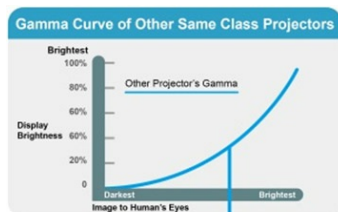

Normal | SuperColor™ RGBCYW Color Wheel

ViewSonic Exclusive RGBCYW Color Wheel Empowers LightStream™ Projectors

- Up to 120% brilliant color over same class projectors
- Outstanding Red and Yellow over same class DLP projectors
- Amazing color test numbers, seeing is believing！

SuperColor™ 6-Segment Color Wheel RGBCYW actually decreases the white color segment and increases the Cyan and Yellow segments for coating, breaking through the conventional method of color brightness enhancement. It boosts Red and Yellow for vivid colors, and ensures the bright area of the image is clearer.* Overall, the RGBCYW Color Wheel's color brightness to one's eyes for normal images is enhanced up to 20% compared to other same class projectors. This color enhancement greatly enriches the overall viewing experience, especially when viewing live subjects and natural scenery.

White is the most significant contributor to brightness, however, too much white will wash out colors. Unlike other DLP projectors which increase their white color segment to enhance brightness, ViewSonic utilizes its very own innovative RGBCYW color wheel solution.

*3LCD/LCD projectors have boasted their pure RGB (red/green/blue) color brightness numbers for lab-oriented absolute red/absolute green/absolute blue images. However, pure RGB objects don't exist in the real world. Emphasizing how pure the RGB results are, is unpractical. This testing data can't be applied to real world images. A normal real image mostly contains areas with intermedia color brightness.

Gamma Curve of Other Same Class Projectors

Brightest
100%
80%
60%
Display Brightness 60%
20%
0
Other Projector's Gamma
Darkest   Brightest
Image to Human's Eyes

Gamma Curve of LightStream™ Projectors

Brightest
100%
80%
60%
Display Brightness 60%
20%
0
SuperColor™ Gamma
Other Projector's Gamma
20% color brighter
Darkest   Brightest
Image to Human's Eyes

Other DLP Same Class Projectors | LightStream™ Projectors

Auto Power On
Instant activation upon signal connection

With auto power on enabled, once a VGA or HDMI cable is connected and signal detected, LightStream projectors will power on automatically.

Smart Restart
Instant reactivation during presentation

With Smart Restart, the projector automatically enters a 3-minute standby mode when it is idle and turns down the projection to a power-saving 30% brightness. During standby mode, you can quickly and conveniently reactivate the projector for continued use without waiting for a complete power cycle.
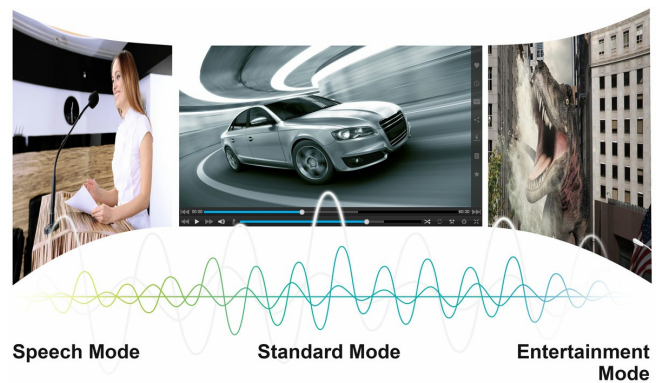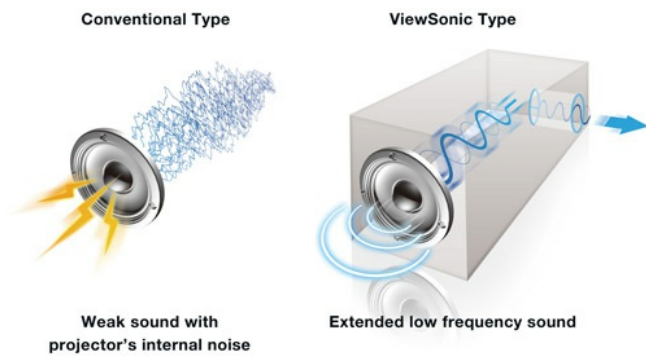
SonicExpert™ Technology
Clear, comfortable, and louder sound over same-class projectors

The ViewSonic's proprietary SonicExpert™ technology incorporates a 10W ported speaker chamber and a more powerful amplifier to deliver a full 20Hz – 20Khz sound range. The compact speaker takes pride in quality sound with best-fit Sound Response Curve, and high efficiency of transferring electric power to sound power.

SonicMode
Optimized audio performance for Speech, Entertainment, or Standard scenario

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.

Conventional Type | ViewSonic Type

Weak sound with projector's internal noise | Extended low frequency sound

Speech Mode | Standard Mode | Entertainment Mode

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

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

Balanced Color and Brightness

A choice of 5 unique view settings provide the best possible viewing experience in any environment regardless of ambient light. **Brightest Mode:** for environments where extra-high brightness is required **Dynamic Mode:** for presentations under daylight environment and text content **Standard Mode:** for matching PC or NB color **ViewMatch Mode:** for general viewing **Movie Mode:** for watching movies with better saturation in a dark environment

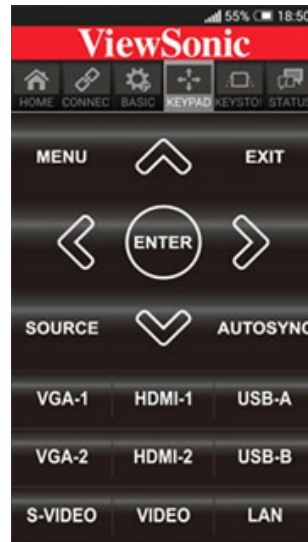

Normal | ViewMatch® Color Mode

Programmable Remote Control

To make things easier, 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.

My Button

Smart Design

Top Lamp Door
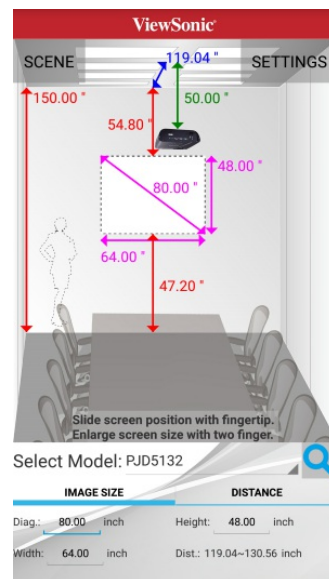An easy-access top lamp door enables simple lamp maintenance and replacement.

Tactile Keypads
The tactile keypad is raised with concave buttons that assist in making projector set up easier in dark environments.

ProjectorDistance App Quick Projector Position Preview

No matter small meeting room, middle classroom, or big hall, ProjectorDistance tells you how far the projector should be placed according to the room ceiling height, projector's screen size, aspect ratio, etc. Just input several figures, the result will be displayed in the simulation scenarios with measurement. You can use finger to adjust the distance instantly.

Focus Ring
Zoom Ring
MHL/HDMI Port
HDMI
Audio In/Out Microphone in
AC In
Control Panel
USB
RS232
Kensington Lock Slot

Technical Specifications

DISPLAY	Resolution	1920x1080 (Full HD)
	F Stop / Focal Length mm	2.59 ~ 2.87 / 16.88 ~ 21.88
	Zoom Factor	1.1x
	Focus / Zoom	Manual / Manual
	Keystone	+/- 40° (Vertical)
	Display Size	30" ~ 300"
	Throw Distance	0.99 m ~ 10.89 m
	Throw Ratio	1.49 ~ 1.64
	Lamp Power	210 W
	Lamp Life (Normal / SuperEco Mode)	4000 / 10000 (hours)
	Brightness (Max.)	3200 Lumens
	Contrast Ratio (Max.)	22000:1
	Optical Offset	116 %+/-5%
AUDIO	Speaker	10W Cube x1
INPUT SIGNAL	Video	480i and 576i, 480p and 576p, 720p, 1080i, 1080p
	Frequency (H/V)	15 ~ 100 KHz / 24 ~ 120 Hz
COMPATABILITY	PC	Support up to 1920x1080@60Hz
	Mac	Support up to 1920x1080@60Hz
CONNECTOR	Digital Input	HDMI (1.4a) x1 / HDMI (MHL2.0) x1
	Audio Input	3.5mm mini jack x1
	Audio Output	3.5mm mini jack x1
	Microphone in	3.5mm mini jack x1
	Control	RS-232
	USB	Mini type B x1 (Maintenance and mouse control)
POWER	Voltage	100~240Vac 50/60Hz (Auto Switching)

	Power Consumption	330 W (Max.)
	Standby	<0.5W
OPERATING CONDITION	**Temperature**	0°C ~ 40°C (32°F ~ 104°F)
	Humidity	0% ~ 90% (non-condensing)
NOISE LEVEL	**Eco Mode**	30dB
DIMENSIONS	**Physical**	316 x 228 x 103.7 mm
WEIGHT	**Net**	2.4 kgs / 5.29 lbs
REGULATIONS		Mexico Energy test/Registration, EAC, TUVS Mark(Argentina), India BIS, FCC,CE EMC, CB,CCC, ROHS, REACH, SVHC, WEEE, ErP, Mexico NOM, cTUVus, RCM, PSB, KC
PACKAGE CONTENTS		Power Cord, 1.8m, black 1 /Remote Control with Batteries (Without Laser pointer) x1 / Quick Start Guide (one sheet version) x1 / ViewSonic CD Wizard (With User Manual) x 1