

# Full HD 1080p Projector

Ideal for Small Office, Home Office

**PJD7820HD**



**HDMI®**  
HIGH DEFINITION MULTIMEDIA INTERFACE

The ViewSonic® PJD7820HD is the best in class price-performance Full HD 1080p DLP® projector with 3,000 ANSI lumens and 15,000:1 contrast ratio. This projector is packed with features including HDMI®, 3D Blu-ray ready, multiple PC and video input options, 1.3x optical zoom, keystone correction, DynamicEco™ and integrated speaker. With the latest HDMI, the PJD7820HD can now display 3D images from 3D Blu-ray players. DynamicEco™ allows user to put the projector in “standby” energy-saving mode by reducing brightness down to 30% when the projector is not in use or without waiting for the projector to restart. Filter-less design and energy-saving eco-mode provide for virtually zero maintenance and product reliability. The ViewSonic PJD7820HD Full HD 3D 1080p projector is perfect for home, home office and small office.

### Just Right for Small Office, Home Office

Packed with 3,000 lumens and a high contrast ratio of 15,000:1 (w/DynamicEco™), the PJD7820HD is guaranteed to be vibrant and shine in your office or home office.



### Reliable Picture Quality & Color Performance

ViewSonic's DLP projectors provide reliable picture quality you can trust and superior color performance you can count on after thousands of hours of usage. Built on DLP technology, the ViewSonic PJD7820HD projector virtually eliminates image degradation known as color decay – yellow/faded tint that LCD projectors may develop after extended use. Even after years of use, the PJD7820HD is still producing a stunning, sharp image that lasts.



### Full HD 1080p for Widescreen Brilliance

A widescreen projector sporting a full HD 1920x1080 (1080p) native resolution offers a tremendous degree of flexibility and compatibility. Whether you are connecting your widescreen laptop or viewing 1080p HD content, you are guaranteed a distortion-free image with matching aspect ratio.

### HDMI with 3D Capability

Equipped with the latest HDMI, ViewSonic's PJD7820HD projector can now display 3D images directly from 3D Blu-ray® players. HDMI delivers the highest picture and sound quality without degradation. It's perfect for connecting to any HDMI-enabled devices from PCs, laptops, tablets, media players to Blu-ray® DVD players.



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## BrilliantColor™ Technology

ViewSonic's PJD7820HD projector with BrilliantColor technology features multi-color processing to produce stunning, vibrant colors. Unlike other technologies such as LCD which use just 3 primary colors to produce the image, the PJD7820HD uses up to 6 separate colors. The sophisticated 6-segment color wheel enhances the yellow color performance that is the key to accurate and vivid color reproduction. With multi-color processing, colors are richer and more vibrant with exquisite and precise detail.

## Maintenance Free

ViewSonic's PJD7820HD projector enables a filter-less design. Unlike LCD projectors require to clean, sometimes to replace, filters after every 100 to 300 hours of operation, the ViewSonic PJD7820HD projector is filter-less that eliminates the need for filter cleaning or filter replacement. This saves you significant maintenance dollars and labor over the projector's lifespan, and lowers your total cost of ownership (TCO).

## Long Lamp Life up to 6000 Hours

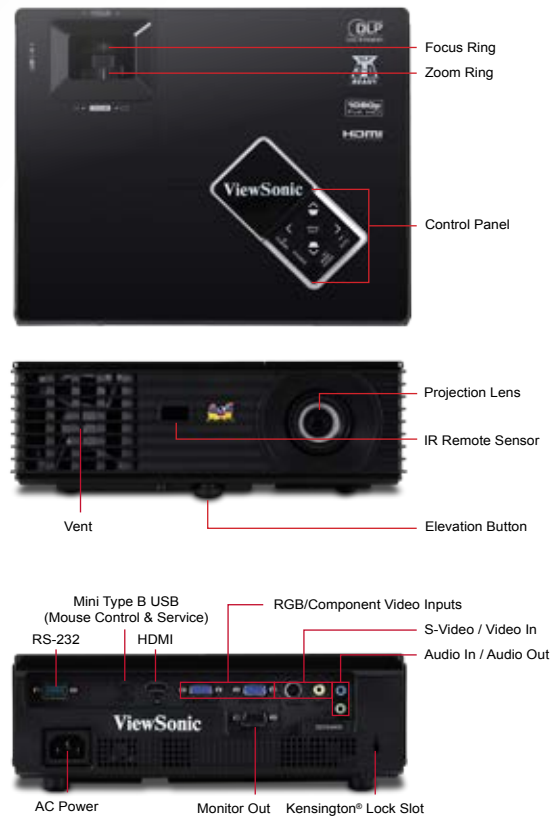
The new advanced lamp technology extends the lamp life up to 6000 hours\*, this means huge savings on lamp replacement costs.



Projection Distance		Screen Size (16:9) Diagonal	
Feet	Meters	Inches	Meters
3.3	1.0	40	1.0
6.7	2.0	80	2.0
10.0	3.0	120	3.0
12.5	3.8	150	3.8
16.7	5.1	200	5.1
20.9	6.4	250	6.4
25.0	7.6	300	7.6

## Optional Accessories

- Replacement Lamp ..... RLC-079
- Ceiling Mount Kit ..... WMK-005
- 3D Active Shutter Glasses ..... PGD-series
- Wireless Presentation Gateway ..... WPG-series
- Soft Case ..... PJ-CASE-001
- Extended 5-Year Warranty ..... PRJ-EW-07-02



## Specifications

<b>DISPLAY</b>	Type	0.65" Digital Micromirror Device (DLP)
	Resolution	1080p 1920x1080 (native)
	Lens	1.3x manual optical zoom / manual optical focus
	Keystone	Manual vertical digital keystone correction (+/- 40°)
	Size	30 – 300 in. / 0.7 – 7.6 m (diagonal)
	Throw Distance	2.5 – 25.0 ft. / 0.8 – 7.6 m
	Throw Ratio	1.15~1.5:1
	Lamp	210 watt
	Lamp Life	4000 / 6000 hours* (Normal / Eco-mode)
	Brightness	3000 Lumens
	Contrast Ratio	15,000:1 (w/DynamicEco™)
	Aspect Ratio	16:9 (native)
	Color Depth	30 bits, 1.07B Color (10+10+10)
Color Wheel	6-seg RGBCYW / 7200rpm	
<b>INPUT SIGNAL</b>	Computer and Video	NTSC M (3.58 MHz), 4.43MHz, PAL (B, D, G, H, I, M, N, 60), SECAM (B, D, G, K, K1, L), SD 480i and 576i, ED 480p and 576p, HD 720p, 1080i, 1080p
	Frequency	Fh: 31–100KHz, Fv: 48–120Hz
<b>COMPATIBILITY</b>	PC	VGA to 1920x1200
	Mac®	Up to 1920x1200 (may require MAC adaptor)
<b>CONNECTOR</b>	RGB Input	15-pin mini D-sub (x2)
	RGB Output	15-pin mini D-sub
	Digital Input	HDMI (x1)
	Component Input	15-pin mini D-sub (x2, shared with RGB)
	Composite Input	RCA jack
	S-Video	4-pin mini-DIN
	Audio Input	3.5mm mini jack
	Audio Output	3.5mm mini jack
	Control	RS-232 (DB-9)
	USB	Mini Type B (mouse control and service)
<b>AUDIO</b>	Speaker	2-watt (x1)
<b>POWER</b>	Voltage	100–240VAC (Auto Switching), 50/60Hz (universal)
	Consumption	260W (typ) / <0.5W (Stand-by mode)

<b>CONTROLS</b>	Basic	Power, keystone/arrow keys, left/blank, menu/exit, right/panel key lock, mode/enter, auto, source
	OSD	Display, Picture, Source, System Setup (Basic), System Setup (Advanced), Information (See user guide for full OSD functionality)
<b>OPERATING CONDITIONS</b>	Temperature	32°F–104°F (0°C–40°C)
	Humidity	10%–90% (non-condensing)
	Altitude	0–6,000 ft (1,800m), operational up to 10,000 ft (3,048m)
<b>NOISE LEVEL</b>	Normal / Eco-mode	35dB / 29dB
	Physical	10.6 x 3.3 x 8.7 in. / 268 x 84.4 x 221 mm
<b>DIMENSIONS (W x H x D)</b>	Packaging	14.2 x 12.8 x 7.4 in. / 360 x 325 x 188 mm
	<b>WEIGHT</b>	Net
Gross		7.5 lbs. / 3.4 kg
<b>REGULATIONS</b>		CB, UL, cUL, FCC (including ICES-003), CE, UL-Argentina, NOM, GS, GOST-R, SASO, Ukraine, PSB, C-Tick, Korean-KC, CCC, CECP, WEEE, RoHS
<b>WARRANTY</b>		3-year limited warranty on parts and labor, 1-year limited warranty on lamp, 1st year free Express Exchange® service**

## What's in the box?

PJD7820HD projector, power cable, VGA cable, remote control with batteries, Quick Start Guide, ViewSonic Wizard DVD (with User Guide)



ViewSonic Corporation's QMS & EMS have been registered to ISO 9001 & ISO 14001, respectively, by TUV NORD.

\*Lamp life may vary based on actual usage and other factors. \*\*One year Express Exchange® service requires product registration. Programs, specifications and availability are subject to change without notice. Selection, offers and programs may vary by country; see your ViewSonic representative for complete details. Corporate names, trademarks stated herein are the property of their respective companies. DLP® and DLP logo are registered trademarks of Texas Instruments and BrilliantColor™ is a trademark of Texas Instruments. HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. Copyright © 2013 ViewSonic Corporation. All rights reserved. [16454-00B-12/12]