MODEL : H6080HD

Display Technology	0.95" 1-Chip DMD
Resolution	1920 x 1080
Brightness	800 Lumens
Contrast Ratio	100,000:1
Zoom & Focus	Manual Zoom & Manual Focus
Lens Throw Ratio	1.85~2.4
Zoom Ratio	1.3:1
Projection Screen Size	22.5" ~ 300"
Remote Control	Fully Featured Remote Control With Light
Light Source	LED
LED Life	20,000 Hours
Aspect Ratio	Native (16:9)
Pc Compatibility	VGA, SVGA, XGA, SXGA, Macintosh
Video Compatibility	NTSC/NTSC 4.43, PAL B/G/M/N SECAM, 480i/480p/720p/1080i/1080p
PC Input Terminals	HDMI (1.3) x 2, Component x 1, BNC x1, VGA x1, S-Video x1, Composite x1
Output Terminals	N/A
Communication Terminals	RS-232Cx1, Screen Trigger x 2, Wired Remote Mini-Jackx1
Lens Shift	Vertical (+/- 120%), Horizontal(+/- 30%)
Fan Noise Level	28dBA
Audio Speaker	N/A
Projection Method	Front, Rear, Table Top and Ceiling Mount
Dimensions (w X H X D)	20.5"x 9.5" x 22" (520mm x 244mm x 560mm)
Weight	20kg (44lbs)
Power Supply	AC 100-240V
Power Consumption	175W (STD), <1W Standby Power
Accessosory	AC Power cord, HDMI cable, User Manual (CD & Hard Copy), Remote Control, Batteries for Remote
Osd Language	English/French/German/Spanish/Portuguese/Italian /Simplifed Chinese/Traditional Chinese

Specification subjects to change without notice.

Environmental Protection
A mission from Vivitek

RoHS COMPLIANT

Vivitek Technology always pays attention to the environmental protection & energy saving. The D6080FD contains following parts that is RoHS compliant:

- Lead-free solder : used for soldering all parts including circuit component electronics
- Lead-free glass : used for the lens
- Recycled paper : used in the user manuals and packing cartons.
- Hi-efficiency power switching: reduces power consumption.
- Less than 1w power consumption in standby mode

vivitek®
Vivid Colors, Vivid Life.

Http://www.vivitekcorp.com

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LED
Full HD PROJECTOR

PURE BLACK . TRUE COLOR

World's First LED Full HD DLP® Projector

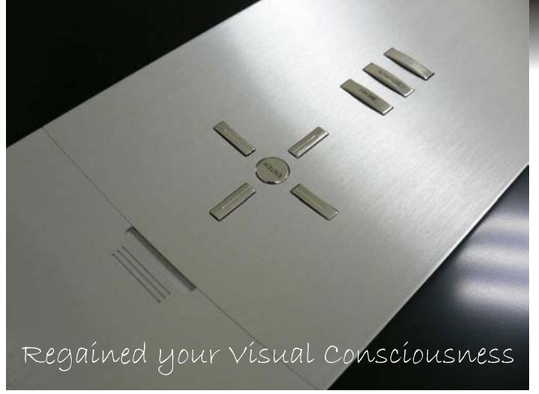
800 Lumens / 100,000:1

H6080FD Home Theater

PhatLight photonic lattice | Full HD 1080P | Filter FREE | Instant ON&OFF | BrilliantColor | DLP PICTURE BY TEXAS INSTRUMENTS | Best Energy Saving < 1w standby power consumption

H6080FD

World's First Full HD LED Home Theater DLP® Projector



Vivitek has lunched a groundbreaking high brightness (800 ANSI LUMEN) full HD LED projector for the consumer market. With its high throughput LED optics, 1080P resolution plus wide color gamut, H6080FD 1080P LED projector provides a stunning high image quality unmatched by any other lamp projector. H6080FD gives the viewer a completely new home theater experience with the bonus that the user is free from lamp replacement, as the life of the LED module is estimated at over 20,000 hours of normal operation.

The benefits of having an LED projector over a lamp projector is the fact that no more replacing an expensive projector bulb every time you turn around. The LED illumination system replaces the lamp, the color wheel and the shutter of a traditional projector, increased stunning picture quality, expanded color gamut, maintaining 1080p resolution, reliability and value.

Thanks to the advanced thermal management system been adopted that makes the projector quiet and efficient on power consumption (175w for movie display). Vivitek is proud to state that the systematic operation of Luminus PhlatLight device, Osram REPCUR driver and TI DSP firmware make it possible with wide color gamut, more than 200 trillion colors and over 100,000:1 contrast ratio.

• Instant shut down • instant turn-on • Generate low heat • Color wheel free • Wide color gamut for vivid colors • Lamp-free • Mercury Free • Filter free for low cost of ownership

Filter Free

Say NO to the anti-dust filter

DLP based projector has the congenital superiority in against dust aspect. Vivitek LED Projector has sealed pure metal optics engine, which keeps filter free, and more durable in comparison with plastic components

Amazing 100,000:1 high contrast ratio

The H6080FD allows the end user to control some of the more advanced features on this LED projector offers. This includes Texas Instruments' Dynamic Black and Brilliant Color features. Vivitek proudly incorporates TI's Dynamic Black system to increase contrast to unbelievable 100,000:1 high contrast ratio. Black levels were dramatically improved with the Dynamic Black function, giving the H6080FD one of the best black level in dark scenes.

Instant on & off

No more waiting

Instant hot re-start means the user, as compare to lamp projector, don't need to wait for minutes to cool the lamp before re-start the projector.

Dynamic Black

Vivitek's Engineering team has developed its own Dynamic Black for automatic adjustments produce deeper, richer black on a dark scene.

With Dynamic Black | Without Dynamic Black

Sealed Light Engine

The light path is completely sealed and eliminates the fear of dust getting into the optical path or light loss from the chassis. Most projectors have some type of light spill either around the lens or from the vents. However, thanks to sealed light engine that keeps the H6080FD away from light spill around the active image.

1.3 x Zoom & Unique Red Zoom Ring Design

The H6080FD is much more than a Projector: it answers the needs of consumers who crave for more, combining a more luxurious design and practical multimedia technology. The stylish red zoom ring design concept aims to become a consistent mark for Vivitek quality and design in Home Cinema Projector category, while the superior center mounted 1.3x zoom lens produces crystal clear vivid images and able to do lens shift at Vertical (+/- 30%), Horizontal(+/- 120%)

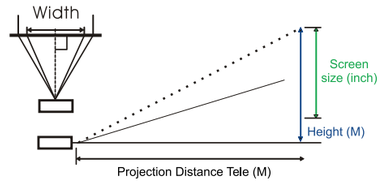
Excellent Video Processing Chipset by Gennum

The H6080FD' s latest Gennum 9450 video processing has been configured to allow the user to manually change the projected frame rate. Moreover, the H6080FD allows for Auto, which selects the refresh rate based on the incoming video signal, 48-Hz, 50-Hz, and 60-Hz, increasing smooth video performance. The video processing also does an excellent job of de-interlacing and scaling both standard- and high-definition sources with full support for film and video-based content for HD sources.

Rich Connectivity

additional HDMI

The H6080FD features nice array of connections, including two HDMI 1.3 inputs, RS-232 input for updates and remote triggers for communications and automated screens. The H6080FD is a fully updateable projector on the software end, allowing consumers to update firmware from a PC via the RS-232 input.



Projection Size & Distance

Screen Size			Projection Distance	
Diagonal(Inch)	Width: Inch/mm	Height: Inch/mm	Min. Inch/mm	Max.Inch/mm
60	52.29/1328	29.41/747	96.74/2457	125.50/3188
80	69.72/1771	39.22/996	128.99/3276	167.34/4250
100	87.16/2214	49.02/1245	161.24/4095	209.17/5313
120	104.59/2656	58.83/1494	193.49/4915	251.01/6376
150	130.73/3321	73.54/1868	241.86/6143	313.76/7969

The above numbers are approximate, and may be slightly different from the acutal measurements

Comprehensive Remote Control

The H6080FD features an easy button layout with most of the important features directly accessible. The remote lights up at the touch of a button and uses red backlighting for legibility in the dark. Most of the main video settings are directly accessible, including sharpness controls, picture controls, gamma setting, image size, and user-defined memories.

RGB LED: Breakthrough Technology

Lamp-free

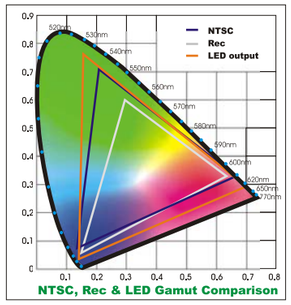
RGB LEDs are unique in that they are much larger than conventional white LEDs and designed to operate reliably at significantly higher intensity. With 10 times of the life cycle than regular lamp for more than 20,000 hours. RGB LEDs create pure, primary colors sequentially pulsed at high speeds to provide ultra-fast color refresh for stable, accurate colors and a smooth picture with superior motion quality. With RGB LED, which produce outstanding images with far superior contrast and deeper blacks than lamp-based projectors. RGB LEDs give DLP projectors a pure RGB light source, producing vivid, accurate, stable color images that will not shift or fade over time.

Best Energy Saving

< 1w standby power consumption

The new LED projector has a full slate of low-energy and low-power consumption. 1W standby power consumption only!

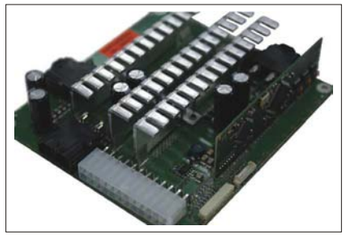
Stunning picture quality



Better Color Saturation

While regular SRGB LED Gamut can easily over 125% color and 177% out in NTSC & Rec criteria makes the stunning wider color gamut for its vivid image.

H6080FD | Other Projector



LED Home Cinema powered by OSRAM *REPCUR driver*

First LED front projector with full HD image quality beams

Driver technology from OSRAM is integrated into the first full HD home cinema projector with an LED lighting system which was presented by the Vivitek. The LED drivers enable LED front projectors to produce razor-sharp images of unparalleled quality. With a resolution of 1080p (1,920 x 1,080 pixels), a light intensity on the projection surface and an extensive color scale, the full HD LED projector produces a far higher image quality than traditional devices
Thanks to the LED driver from OSRAM.

Moreover, the shock-resistant LEDs have a lifespan of more than 25,000 hours which means that the usual change of light sources in the projector can be dispensed with.

Vivitek uses the Osram REPCUR driver in its groundbreaking full HD LED projector. The driver has three channels (for red, green and blue) and works in real time in the projector to process the complex control signals responsible for the exact control of the LEDs and thus for the high image quality.