



## Redefining the Home Theater Experience with LED

The Vivitek H9080FD, LED 1080p home cinema projector delivers next-generation video processing performance for demanding home theater enthusiasts and professional installers. As an LED-based projector, the H9080FD provides stunning image quality unmatched by traditional lamp-based projectors. The H9080FD redefines the home theater viewing experience.

## Features

- Amazing 100,000:1 contrast ratio at 800 lumens of brightness
- LED light source provides ≈20,000 hours of operation
- Full HD 1080p (1920x1080)
- Advanced image processing from Gennum
- Built-in 1.3x zoom with manual lens shift (Vertical: ±120%, Horizontal: ±30%)
- Dynamic Iris automatically enhances and adjusts black levels
- Connectivity options include: Two (2) HDMI v1.3, S-Video, Composite, Component
- RS-232c for one-touch automation and 12V trigger for simple screen/projector automation functionality

Specifications	
Brightness	800 Lumens (Typical)
Native Resolution	1080p (1920 x 1080)
Contrast Ratio	100,000:1 (Full On/Full Off)
Lamp Life and Type	≈20,000 Hours, PhlatLight LED PT-120
Display Type	Single 0.95" DMD DLP® Technology by Texas Instruments
Video Processor	Gennum 9450
Throw Ratio	1.85 to 2.4:1 (Distance/Width)
Image Size (Diagonal)	22.5" to 300" (0.6 to 7.62 m)
Projection Distance	8.2' to 29.5' (2.5 to 9.0 m)
Projection Lens	F=2.5-2.7
Zoom Ratio	1.3:1 Manual Zoom/Focus
Aspect Ratio	16:9 Native, 4:3 Compatible
Color Spectrum	1.07 Billion
Horizontal Scan Rate	15, 30 to 90 KHz
Vertical Scan Rate	43 to 85 Hz
Projection Method	Table Top or Ceiling Mount (Front or Rear)
Lens Shift Range	Vertical: ±120%, Horizontal: ±30%
Uniformity	85%
Computer Compatibility	1080p, UXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized; VESA Standards; PC and Macintosh Compatible
Video Compatibility	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p), NTSC 4.43, PAL (B, D, G, H, I, M, N), SECAM (B, D, G, K, K1, L)
I/O Connection Ports	HDMI v1.3 (x2), Component Video, BNC, VGA-In, S-Video, Composite Video, RS-232c, 12V Trigger (x2), Wired Remote Mini-Jack
Weight	35 lbs (15.9 kg)
Dimensions (W x H x D)	20.5" x 8.8" x 21.6" (520.7 x 223.5 x 548.6 mm)
Noise Level	25dB
Power	Supply: AC Input 100 - 240V Consumption: 175 Watts, < 1 Watt(Standby)
Operating Temperature	41 to 104°F (5 to 40°C)
Warranty	3-Year Limited Warranty
Standard Accessories	AC Power Cord, Component Cable, Remote Control, Batteries for Remote, Lens Cap, User's Manual (CD), Warranty Card
Optional Accessories	Short Throw Lens, Long Throw Lens, Replacement Remote
UPC	8 14964 33454 1

