

1080p Short Throw Laser Projector

GT1090HDR

Optoma

Exceptional, huge-screen image quality from several feet away



-  4,200 ANSI lumens with 300,000:1 contrast ratio
-  4K UHD input with HDMI 2.0 (HDCP 2.2)
-  0.50:1 short throw ratio
-  HDR10 and HLG compatible
-  DuraCore maintenance-free laser light source up to 30,000 hours
-  Auto keystone
-  Quiet operation



1080p



Full 3D



Bring the cinematic experience to space-constrained environments with the incredible 4,200 lumens, 1080p Optoma GT1090HDR laser short throw home theater projector. A short 0.50:1 throw ratio projects incredible 100-inch images from only several feet away.

A DuraCore Laser light source eliminates lamp and filter replacements for up to 30,000 hours of maintenance-free operation with stunning color and image quality throughout the life of the projector. The compact size and low weight make mounting a breeze while its quiet operation ensures the GT1090HDR is seen, not heard.

Auto keystone and four corner correction provide flexible image adjustments for easy installation. Blu-ray 3D support brings the immersive 3D movie experience home when paired with optional DLP-Link 3D glasses.

CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Texas Instruments™ 0.65" 1080p DMD
Color Wheel	4 segment RGBY
Native Resolution	1080p
Maximum Resolution	HDMI 2.0: 4K UHD (3840 x 2160 @ 60Hz) 4K (4096 x 2160, 60Hz) HDMI 1.4: WUXGA (1920 x 1200)
Brightness	4,200 ANSI lumens
Contrast Ratio	300,000:1 (Extreme Black enabled) 1,800:1 full on/full off
Displayable Colors	1.07 billion
Lamp Life*	Up to 30,000 hrs (Eco), 20,000 hours (Normal)
Light Source Type*	DuraCore laser
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	Auto keystone, ±30° horizontal and vertical
Geometry	Horizontal & vertical keystone
Uniformity	75%
Offset	115%
Aspect Ratio	16:9 (native), 4:3, LBX and auto compatible
Throw Ratio	0.5:1
Projection Distance	3' - 11'
Image Size	36.43" – 301.4"
Projection Lens	f=7.42mm
Optical Zoom	NA
Digital Zoom	0.8 - 2.0x
Audio	2 x 10W (stereo)
Noise Level	32db
Remote Control	Full size remote with laser pointer
360° and Portrait mode operation	Yes
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	Bright: 277W max Eco: 212W max, 143W typical
High Altitude	Operating temperature at sea level up to 10,000 feet = 104° F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality.

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	VGA, SVGA, HDTV(720p), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA, 4K, 4K UHD
Video Input Compatibility	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz), 4K
3D Compatibility†	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e. 60 or 72 frames per eye). 3D glasses are needed and sold separately. Refer to user manual for details.
Vertical Scan Rate	24 ~ 85 Hz (120 Hz for 1080p 3D feature)
Horizontal Scan Rate	15.375 ~ 91.146 KHz
User Controls	Graphic user interface and on-screen menu in 27 languages
I/O Connection Ports	1x HDMI 2.0 (HDCP 2.2, MHL), 1x HDMI 1.4, 1x VGA, 1x composite, 2x audio in (3.5mm), 1x mic in, 1x USB-A (power, 5V, 1.5A), 1x VGA out (VGA 1 only), 1x audio out, 1x 12v trigger, 1x 3D sync, 1x mini USB
Control	1x RJ-45, 1x RS-232C

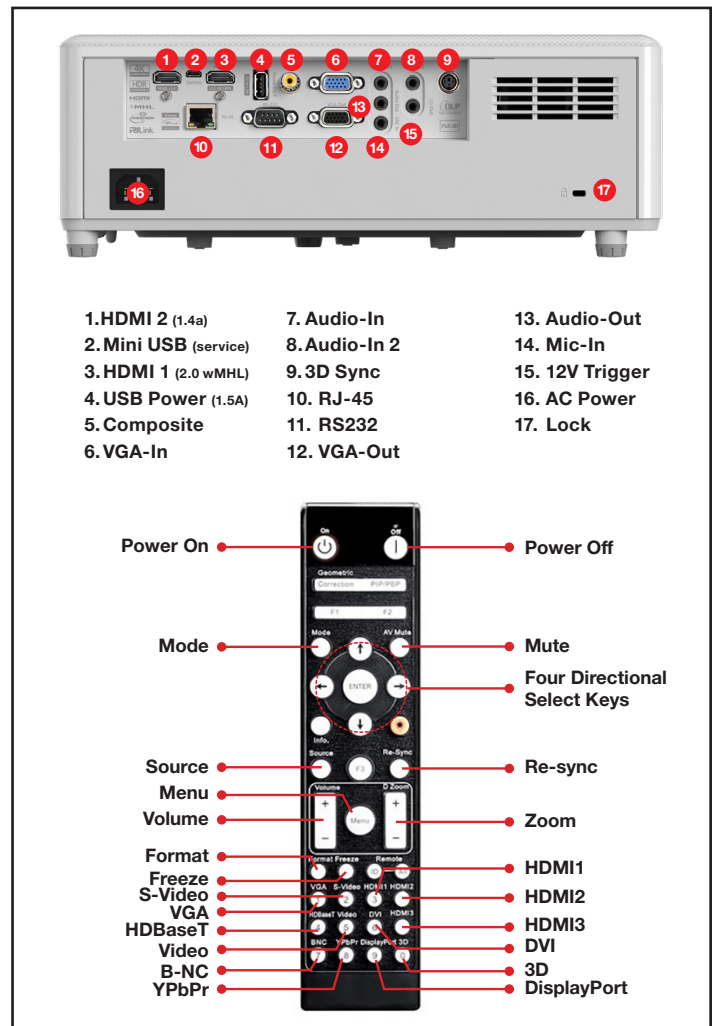
PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	10 lbs
Dimensions (W x H x D)	13.26" x 4.8" x 10.5"

*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

†Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.

Portrait orientation must follow the recommended positions. Please consult the user manual for further information.



Warranty

1-year parts and labor limited warranty on the projector. 5-year or 12,000 hour light source warranty (whichever comes first)

What's in the Box

GT1090HDR, AC power cable, remote control, batteries, quick start user manual

Accessories

Universal Ceiling mount: OCM815W
Universal Ceiling mount: OCM818W-RU
Universal Ceiling mount: BM-5001U
Remote (replacement): BR-3075W
Remote (optional/backlit): BR-3003B
4K UHD Casting and mirroring adapter: UHDCast Pro

UPC 796435 81 367 3

Optoma.com

Copyright © 2020 Optoma Technology, Inc. DLP® and the DLP logo are registered trademarks of Texas Instruments™. All other trademarks are the property of their respective owners. All specifications subject to change at any time. 05272020

Optoma