



NEW

GT3900UHD

True 4K UHD Short Throw
Laser Projector

Bring every moment to life with True 4K UHD resolution and laser-bright performance. The GT3900UHD delivers stunning detail, vibrant color, and ultra-responsive gaming, plus Golf Mode support for a more realistic simulation experience.



4K ULTRA HD

True 4K UHD



4,000 Lumens
High Brightness



Golf Mode

HDR

HLG

HDR & HLG
Enhanced Contrast

DuraCore
LASER

DuraCore Laser



Built-in Speaker

BIG SCREEN. ENDLESS POSSIBILITIES.

Key Benefits



4,000 Lumens High Brightness*

Delivers clear, vibrant images in home and golf simulation environments with ambient light.



0.49:1 Short Throw Lens

Project a 150" image from just 5.4ft away, reducing shadows and installation challenges.

4K ULTRA HD True 4K UHD Resolution

Provides high quality and sharp image detail with 8.3 million pixels with TI DLP Chip Technology.

Long-lasting & Reliable



Durable and Reliable

Up to 30,000 hours of long-life performance.



Flexible Installation

360° and 24/7 operation for versatile placement and use.



Low Input Lag

Input lag as low as 4.3ms at 1080p/240Hz for responsive gaming and interactive content.

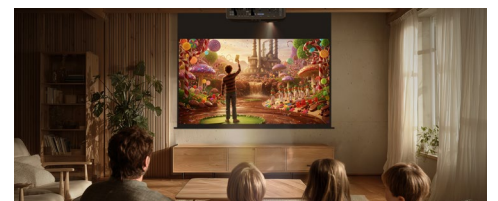


Built-in 15W Speaker

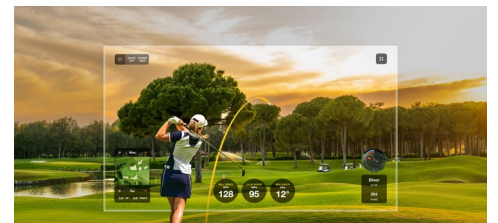
Powerful sound for an immersive audio experience

Versatile Application

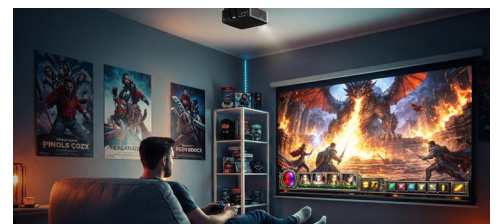
Home Entertainment



Golf SIM



Gaming



*Brightness measured in accordance with ISO 21118

Optomausa.com



DuraCore
Laser



4,000
LUMENS

4K ULTRA HD

True
4K UHD



Golf
Mode



Built-in
Speaker



GT3900UHD

Technical Specifications

Brilliant visuals. DuraCore laser reliability. Everything needed for larger-than-life home entertainment, competitive gaming, and immersive golf simulation.



DISPLAY / IMAGE	
Display technology	DLP™
Resolution	True 4K UHD (3840 x 2160)
Brightness	4,000 lumens
Contrast ratio	2,000,000:1 (dynamic)
Native aspect ratio	16:9 (Compatible 4:3, 16:9, 16:10)
Displayable Colors	1,073.4 Million
Keystone correction	H: ±15°, V: ±15°
Horizontal scan rate	15–150 KHz
Vertical scan rate	24–240 Hz
Uniformity	75%
Screen size	30" – 150"
IP rating	IP6X

LIGHT SOURCE	
Light source type	Laser
Light source life	30,000 hours (Eco mode)

OPTICAL / INSTALLATION	
Throw ratio	0.49:1
Projection distance	1.08ft ~ 10.8ft
Zoom type	Fixed
Focal length	7.51mm
Projection	360° & Portrait
Native offset	114%

CONNECTIVITY	
Inputs	1 x HDMI 2.0, 1 x HDMI 2.0(eARC)
Outputs	1 x Audio 3.5mm, 2 x USB-A 2.0, 1 x 3D Sync out
Control	1 x RS232, 1x RJ45, 1 x 12V Trigger

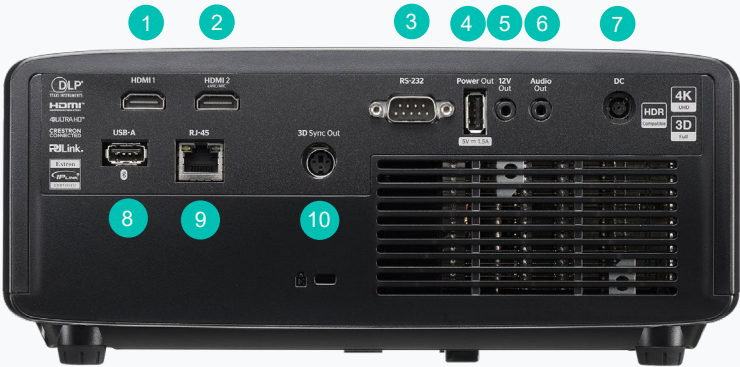
GENERAL / PERFORMANCE	
Noise level (min)	28 dB (Eco mode)
Noise level (max)	35 dB (Bright mode)
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D compatibility	Yes (DLP 3D: PC frame sequential 120Hz 3D, Blue-ray DVD 3D)
3D	Full 3D
Security	Kensington Lock, password protected interface
OSD languages	25 languages
Operating conditions	0–40°C; max altitude 2,500m; Max humidity 80%
24/7 operation	Yes
Speaker	1 × 15W
Input Lag	4K/60Hz: 16.7ms, 1080p/60Hz: 16.7ms, 1080p/120Hz: 8.6ms, 1080p/240Hz: 4.3ms
In the box	AC power cord, remote control, basic user manual, 2 x AAA Batteries
Warranty	5 Years or 12,000H (whichever comes first)
UPC	796435 81 589 9

POWER	
Power supply	External, 100V ~ 240V, 50-60Hz
Standby	<0.5W
Power Consumption (Eco mode)	125 W@110VAC 124 W@220VAC
Power Consumption (Bright mode)	178 W @110VAC 176 W @220VAC

WEIGHT / SIZE	
Dimensions	10.8" x 8.5" x 4.5"
Gross weight	9.7 lbs
Net weight	6.4 lbs



REAR I/O / PRODUCT VIEW | CONNECTIVITY



- 1. HDMI 1 In
- 2. HDMI 2 In
- 3. RS232
- 4. USB-A 1.5A
- 5. 12V Out
- 6. Audio Out
- 7. DC-In
- 8. USB-A
- 9. RJ-45
- 10. 3D Sync Out

PRODUCT DIMENSIONS



Optoma
NO. 1 DLP® LASER BRAND IN AMERICAS*
*Data source: PMA Research Worldwide Projector Census, Q3 2025



Optoma is a visual solutions provider that has delivered stunning experiences to millions of people since 2000. For the last two decades, we have grown our business to become one of the world's leading large-display brands. We have demonstrated our capabilities as a first-mover, innovator, and market leader and firmly established our position as the world's leading 4K UHD projector and DLP® brand.