

LUMIS HC 3D-DUO

Technical Specifications

www.sim2.com/home/us/content/lumis-hc-3d-duo

The Grand Cinema™ LUMIS HC 3D-DUO⁽¹⁾ is a high-end compact 3-chip DLP® home theater 3D dual unit projector system with customizable color filter options for specialist applications. Designed for 3D cinema, the projector may be used in either active or passive 3D mode. The system is equipped with a Mounting Assembly with micro-metric adjustment for precise alignment of the two projectors. The LUMIS HC 3D-DUO system consists of two customized Grand Cinema™ LUMIS 3D-S HC projectors with SIM2's motorized Sliding Filter System inside the optical engine allowing dual projection mode (2D or 3D). The use of this automatic double filter (SFS) allows the use of two different color gamuts on each product. Filters included are INFITEC 3D and HDTV (Rec.709). Other filters can be ordered to create a truly customized product. The LUMIS HC 3D-DUO dual-projector system not only allows for accurate calibration of each of the left/right channels, but also enables a higher light output to be realized. The LUMIS HC 3D-DUO, when working in 2D dual mode, is able to output up to 6000 ANSI Lumens, with a Full On/Full Off contrast ratio over 25,000:1. Standard cabinet color: SIM2's classic high gloss dark gray finish.

⁽¹⁾ This product is a custom-built-to-order and will require a 30 day lead time.



DISPLAY

Technology: 3 x 0.95" DC4 DMDs
Resolution: Full-HD 1920x1080 pixels
3D active and passive technology - TripleFlash
 technology (144Hz) - SIM2's PureAction 2D/3D & PureMovie 2D technology
 SIM2 DynamicBlack™ Technology enhanced solution
 InstaPort™ Technologies
 SIM2 Motorized Sliding Filter (SFS): INFITEC 3D and standard HDTV (Rec. 709) color reproduction filters
Contrast ratio (Full ON/OFF): >25,000:1 with DynamicBlack™ technology (2D mode)
Light source: 280W UHP lamp (dimnable to 230 W)
Brightness ⁽²⁾: up to 6,000 Ansi Lumens (in 2D mode)

INSTALLATION

Lens Options (throw ratio): 1.37-1.66:1 (type T1); 1.82-2.48:1 (type T2); 2.6-3.9:1 (type T3)
Optical shift: Vertical up to +50%, down -10% max from screen center (based on image height)
Digital Keystone: Vertical +/-18 degree
Picture size (inches diagonal): 50-300
Aspect ratio: 4:3, 16:9, Anamorphic, Letterbox, Panoramic, pixel-to-pixel, subtitle + 3 custom-user adjustments

INPUTS/OUTPUTS (x2)

2x HDMI (v.1.4 with Deep Color)
 1x Composite Video (RCA)
 1x Graphic RGBHV (D-sub HD15 pins)
 1x Component - YCbCr/RGBs (RCA)
 1x RS-232 (D-sub 9 pins)
 1x USB (B type)
 3D Sync Out
 3x 12V 100mA output

GENERAL SPECIFICATIONS

Software control: upgradable via RS-232 or USB
Power supply: 100-240 VAC +/-10% (48/62 Hz)
Power consumption: max. 800W
Projector weight (x2): 11 kg. / 24.3 lbs
Projector (single unit) dimensions (WxHxD): 459 x 210 x 455 mm (18.1" x 8.3" x 17.9")
Projector shipping weight (x2): 19 Kg. / 41.9 lbs.
Projector packaging dimensions (single unit) (WxHxD): 710 x 490 x 610 (28" x 19.3" x 24")

ELECTRONICS AND CONNECTIVITY

Horiz. & Vertical scan freq.: 15-80 kHz/48-144 Hz
Color System: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3.58; NTSC 4.43; **PC graphic standards:** VGA, SVGA, XGA, SXGA, UXGA, WUXGA; **SDTV:** 480i/p, 576i/p; **HDTV:** 720p 50/60, 1080i 50/60, 1080p 24/50/60 + 576p

STANDARD ACCESSORIES

Installation and user manual, AC power cords (2m-6.6 ft); backlit remote control and batteries
 Live Colors Calibration software 2.0
 SIM2 VISUS Active Glasses (4 pcs.) and emitter
 SIM2 INFITEC Premium Passive Glasses (2 pcs.)
 Stack System

CABINET COLOR OPTIONS



Standard: High gloss dark gray finish (DG)
Optional: high gloss and matte red (RD) / black (BD) / white (WD) finish

⁽²⁾ ANSI Lumens specification: This is the typical projector brightness specification found in most sales literature. This measurement allows for direct comparison with other manufacturer's projectors. Measurements are taken in a totally dark test room with brand new lamp at full power, lamp's native white color temperature, internal test pattern (full white) and in compliance with ANSI IT7.228-1997 specification.

ORDERING CODE ⁽³⁾	
LUMIS HC 3D-DUO T1 DG	LUMIS HC 3D-DUO T1 RD
LUMIS HC 3D-DUO T2 DG	LUMIS HC 3D-DUO T2 RD
LUMIS HC 3D-DUO T3 DG	LUMIS HC 3D-DUO T3 RD
LUMIS HC 3D-DUO T1 WD	LUMIS HC 3D-DUO T1 BD
LUMIS HC 3D-DUO T2 WD	LUMIS HC 3D-DUO T2 BD
LUMIS HC 3D-DUO T3 WD	LUMIS HC 3D-DUO T3 BD

⁽³⁾ Ordering code = pj model name + lens type + cabinet color



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Due to constant product development, specifications are subject to change without notice. Leather SIM2 VISUS HC 3D-DUO - USA - October 2012

OPTIONAL ACCESSORIES



SIM2 VISUS Luxury Box set
8 additional Active glasses
Ordering code: SIM2 VISUS 8 Luxury



UNIVERSAL LUXURY BOX SET
8 additional Passive glasses
Ordering code: UNIVERSAL 8 Luxury



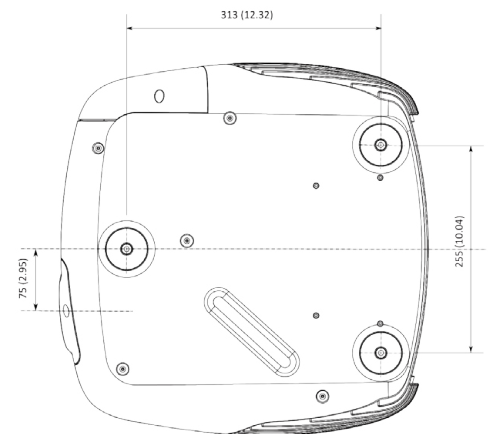
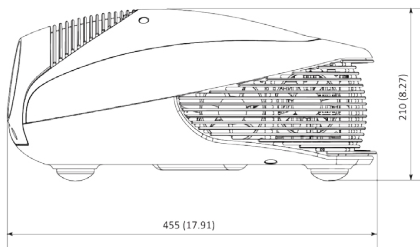
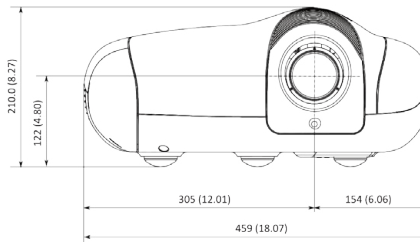
CUSTOM SLIDING FILTERS
60 day lead time after customer request
and defined color gamut requirement
description.

CHOICE OF DIFFERENT LENS OPTIONS FOR FLEXIBILITY IN INSTALLATIONS

Diagonal screen size (16:9 aspect ratio)	LENS T1 (1.37-1.66:1)		LENS T2 (1.75-2.48:1)		LENS T3 (2.54-3.9:1)	
	min.	max.	min.	max.	min.	max.
100"	3.1 m / 10' 2"	3.6 m / 11' 10"	3.9 m / 12' 9"	5.4 m / 17' 8"	5.7 m / 18' 8"	8.6 m / 28' 3"
120"	3.7 m / 12' 1"	4.4 m / 14' 5"	4.7 m / 15' 5"	6.5 m / 21' 4"	6.8 m / 22' 4"	10.3 m / 33' 9"
150"	4.6 m / 15' 1"	5.5 m / 18'	5.9 m / 19' 4"	8.2 m / 26' 11"	8.5 m / 27' 11"	12.9 m / 42' 4"
180"	5.5 m / 18'	6.5 m / 21' 4"	7.0 m / 22' 11"	9.8 m / 32' 2"	10.2 m / 33' 5"	15.5 m / 50' 10"
200"	6.1 m / 20'	7.3 m / 23' 11"	7.8 m / 25' 7"	10.9 m / 35' 9"	11.3 m / 37' 1"	17.2 m / 56' 5"
220"	6.7 m / 22' 11"	8.0 m / 26' 3"	8.6 m / 28' 2"	12.0 m / 39' 4"	12.4 m / 40' 8"	18.9 m / 62'
250"	7.6 m / 24' 11"	9.1 m / 29' 10"	9.7 m / 31' 10"	13.7 m / 44' 11"	14.1 m / 46' 3"	21.5 m / 70' 6"
280"	8.5 m / 27' 10"	10.2 m / 33' 5"	10.9 m / 35' 9"	15.3 m / 50' 2"	15.8 m / 51' 10"	24.1 m / 79' 1"
300"	9.1 m / 29' 10"	11.0 m / 36' 1"	11.7 m / 38' 5"	16.4 m / 53' 9"	16.9 m / 55' 5"	25.9 m / 84' 11"

Throw distance: It is recommended not to use the minimum or maximum projector throw ratios for your installation. Accurate positioning of the projector is better achieved by avoiding these two extremes. // Due to constant product development, the calculated projection distance and value may have a margin of error. Please check with your SIM2 representative prior to placing the order.

PROJECTOR'S DIMENSIONS - MEASURES = MM (INCHES)



we work for excellence

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