

LUMIS 3D SOLO HC

Technical Specifications

www.sim2usa.com/home/us/content/lumis-3d-solo-hc

The Grand Cinema™ LUMIS 3D SOLO HC ⁽¹⁾ is a revolutionary dual-mode 3-chip Full HD projector based on the LUMIS 3D SOLO platform. It sports all of the LUMIS 3D SOLO features including Triple Flash technology and PureMovie, PureAction, and PureAction 3D user modes. "HC" denotes Hyper Color and describes the projector's ability to reproduce a variety of color gamuts outside of the home theater (REC 709) specifications. SIM2's motorized Sliding Filter System (SFS) inside the optical engine is a motorized system able to position two different filters into the optical light path, independently of one another. The driver command can be sent either via IR (by OSD) or via RS-232 and the color gamut change is performed almost instantaneously. The SFS dual filter system allows the projector to accurately display two discrete color gamuts at the push of a button. Thanks to the SFS system, the projector becomes a versatile instrument which can be used in custom market segment applications such as Home Cinema, DCI or other professional applications like photography, where dedicated color reproduction is the technical key-factor.

TYPICAL APPLICATION

Engineered for customized color gamut-specific applications. Designed for use with large screen sizes (up to 5m – 16.5 ft wide).

⁽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 - 1920 x 1080 pixels
Light source: 280W UHP lamp (dimmable to 230 W)
3D features and TripleFlash technology (144Hz)
 SIM2's PureAction 2D/3D & PureMovie 2D technology
SIM2 DynamicBlack™ Technology enhanced solution
SIM2 Motorized Sliding Filter (SFS): DCI-like and standard HDTV (Rec. 709) color reproduction filters
Contrast ratio (Full ON/OFF): >30,000:1 with DynamicBlack™ technology (2D mode)
Brightness ⁽²⁾: up to 3,000 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

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

INPUTS/OUTPUTS

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. 440W
Projector weight: 11 kg. / 24.3 lbs
Projector dimensions (WxHxD): 459 x 210 x 455 mm (18.1" x 8.3" x 17.9")
Projector shipping weight: 19 Kg. / 41.9 lbs.
Projector packaging dimensions (WxHxD): 710 x 490 x 610 (28" x 19.3" x 24")

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

CABINET COLOR OPTIONS



Standard: High gloss dark gray finish (DG)

Optional: high gloss and matte red (RD) / black (BD) / white (WD) finish

ORDERING CODE ⁽³⁾

LUMIS 3D SOLO HC T1 DG
LUMIS 3D SOLO HC T2 DG
LUMIS 3D SOLO HC T3 DG
LUMIS 3D SOLO HC T1 WD
LUMIS 3D SOLO HC T2 WD
LUMIS 3D SOLO HC T3 WD
LUMIS 3D SOLO HC T1 RD
LUMIS 3D SOLO HC T2 RD
LUMIS 3D SOLO HC T3 RD
LUMIS 3D SOLO HC T1 BD
LUMIS 3D SOLO HC T2 BD
LUMIS 3D SOLO HC T3 BD

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

⁽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.



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OPTIONAL ACCESSORIES



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



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



FLEX Anamorphic system^(*)
Ordering code:
Motorized LUMIS FLEX System^(**)



High Quality SCOPE Anamorphic system^(*)
Ordering code:
Motorized LUMIS SCOPE System



LUMIS Ceiling bracket
Ordering code: HT-1080LX

^(*) SCOPE and FLEX systems include an integrated ceiling bracket for projector, lens and motorized sled.

^(**) Please verify throw ratio and projector distance when ordering.



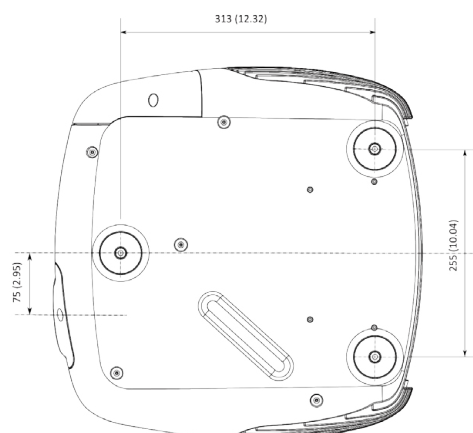
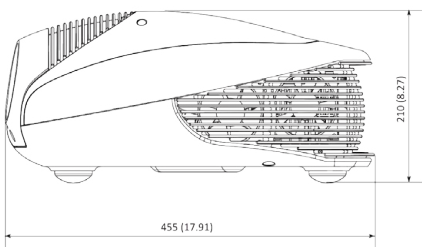
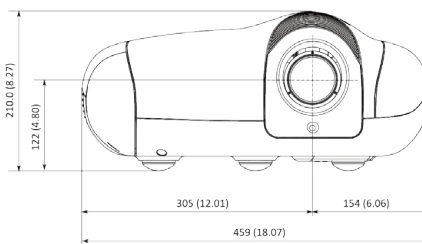
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CHOICE OF DIFFERENT LENS OPTIONS FOR FLEXIBILITY IN INSTALLATIONS

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)



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