



**Headquarters:**  
**SIM2 MULTIMEDIA S.p.A.**  
Viale Lino Zanussi, 11  
33170 Pordenone - Italy  
Tel. +39.0434.383256  
Telefax +39.0434.383260  
E-mail: info@sim2.it  
Web site: www.sim2.com

**US Company:**  
**SIM2 SELECO USA INC.**  
10108 USA Today Way  
33025 Miramar FL  
Tel. (954) 442.2999  
Telefax (954) 442.2998  
E-mail: sales@sim2usa.com  
Web site: www.sim2usa.com

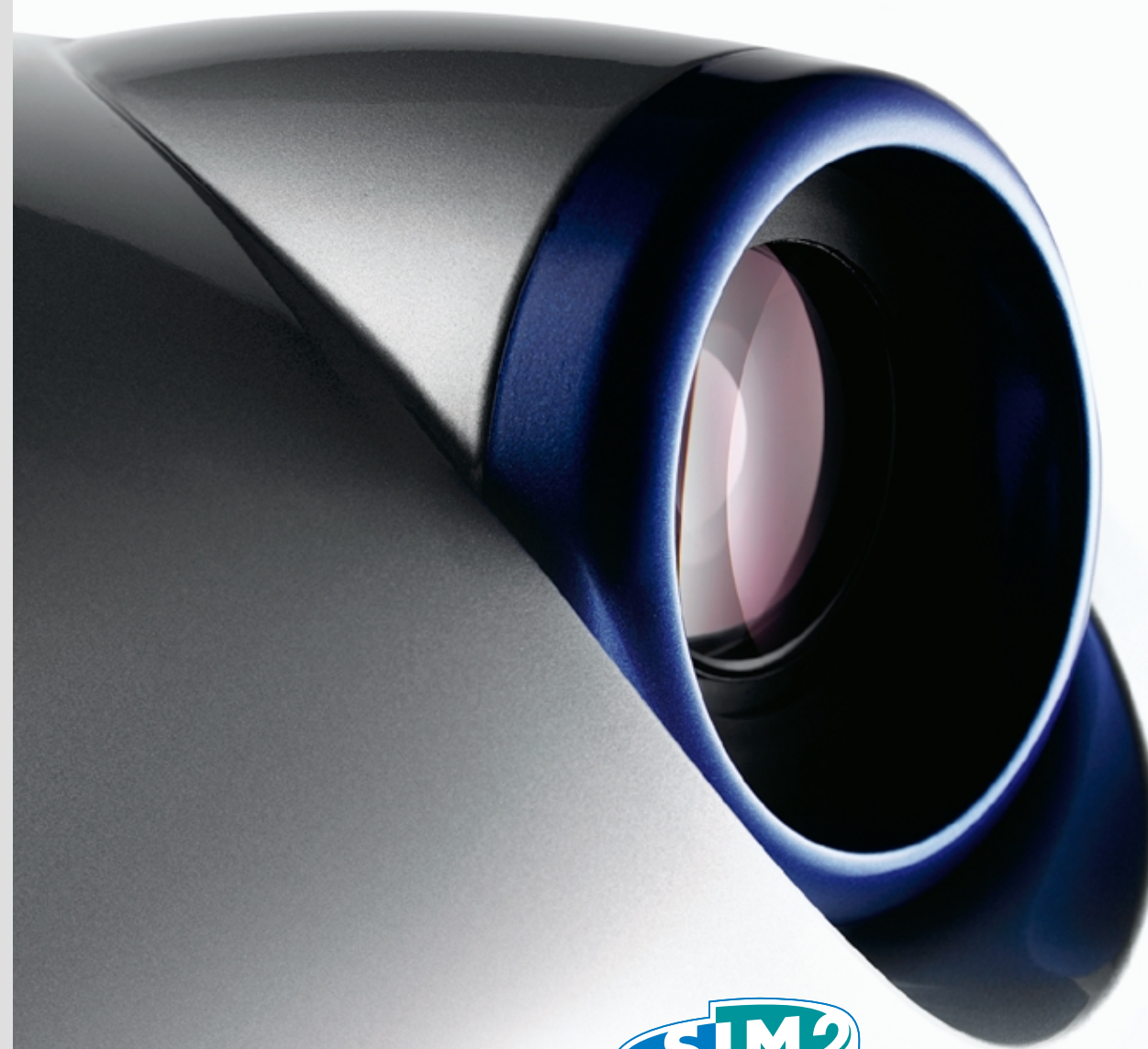
**SIM2 Multimedia is certified**



TEND

Due to constant product development, specifications and design might be subject to change without notice. Catalogue Grand Cinema HT - WORLD - October 2002

# SIM2 *Grand Cinema* HT



## home is where the theatre is

It has often been said, "A man's home is his castle". With that adage in mind, it's no surprise that more and more people are choosing to enjoy their favourite movies, sporting events and TV programs in the comfort of their own private theatre. Whether you're an avid host or prefer quiet evenings at home, a personal theatre allows you to express your style in entertaining.

## if you're like most people, you want to make the most of your leisure time

A home theatre creates an exclusive domain within your living space, where the reality of your surroundings is suspended and you're immersed in a total entertainment experience. Imagine enjoying a great football game or movie in the intimate surroundings of friends and family with cinema-quality projection and sound. A SIM2 projector is an essential part of this experience.



## your attitude toward entertainment is as unique as your personality

Regardless of the size of your home, you may have concerns about how a personal theatre will transform your living space. Retractable screens and ceiling or bookshelf mounted projectors allow you to convert a multi-purpose living area into a theatre at your discretion. You may also choose to design a dedicated home theatre room with a wall-mounted screen. Whatever the case, creating a theatre that complements the personality of your home should be a fulfilling experience; the possibilities are as endless as your imagination.

## a name you can trust

On the basis of more than 10 years of experience in cutting edge innovation, SIM2 Multimedia, is a world-leading manufacturer dedicated to bringing a cinema-quality picture into your home. Investing in a SIM2's projector you can be confident that it will deliver on sharpness, brightness and colour fidelity.

## sit back, relax and enjoy

SIM2 Multimedia design engineers pay particular attention to ensure that their projectors are an attractive addition to your home. Your family and friends will immediately notice the elegant design, which is certain to complement your décor. Furthermore, all SIM2's projectors offer relaxed ease-of-use via remote control and our comprehensive warranties ensure peace of mind.

## as night and day

The home theatre market is about to experience a major revolution. The product leading the way of this transformation is the SIM2 GRAND CINEMA HT series, the new projector line based on Digital Micromirror Device™ by Texas Instruments. The SIM2 GRAND CINEMA HT series has been completely designed by SIM2 specifically for home theatre and home entertainment applications with a specific criteria in mind: the best performance without compromise for a product that fulfils the requirements of the most demanding home theatre enthusiast.



HT200 - HT200 DMF - HT250



### The Grand Cinema HT Line

- Designed specifically for home theatre
- Proprietary high performance optical engine design (sealed)
- Lens shift and digital keystone adjustment
- Long Throw Ratio zoom lens
- New 16:9 (1280x720 pixels) DMD™ chip by Texas Instruments for 720p native HDTV resolutions (HT300 PLUS only)
- 6-segment colour wheel (HT200 DMF and HT300 PLUS only)
- Faroudja powered DCDi™ deinterlacer and video enhancement (HT300 PLUS and HT200 DMF)
- DVI input (HT300 PLUS only)
- Multiple choice of inputs
- Remote Input Interface (optional)
- Ceiling and floor bracket (optional)
- Style Bracket (optional)

“Of all single-chip DLP projectors I have seen, the HT300 is the best.”  
Stereophile Guide to Home Theatre, USA.

## unbeatable contrast and colour

GRAND CINEMA = Superb Image Quality. A sophisticated proprietary optical design, coupled with a high performance zoom lens, ensures high contrast images, superior uniformity, and edge-to-edge definition with an exceptionally good colourimetry and gray scale tracking. SIM2's extensive experience in video projection and processing guarantees artifact-free images, sharpness, supreme quality de-interlacing and image format conversion from a wide range of sources.

## designed for home use

With the SIM2 GRAND CINEMA HT it's like being in the front row of a movie theatre: the long-throw ratio zoom lens prevents the typical placement of the product between the viewer and the screen. In fact, the projector is so versatile; it can be placed on a bookshelf or installed in the ceiling corner opposite to the screen. SIM2 has developed a whisper-quiet mechanical design for extremely low acoustic noise.



## any space befitting of a great idea

Slim and small, the SIM2 GRAND CINEMA HT line delivers superior technology in a lightweight case. Easy of transport and with a wide choice of input connectors, these projectors are easy to operate by anyone, anywhere and with an image quality that will greatly exceed expectations. With GRAND CINEMA HT you can bring your private movie theatre everywhere - from room to room or house to house - without sacrificing the unique cinema-like atmosphere delivered by the big screen.

## everything on the big screen

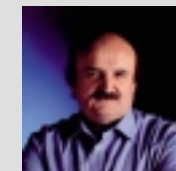
The projectors feature a wide selection of inputs that enable connection to all video and PC devices. SIM2 has also designed a unique accessory (optional) – The Remote Input Interface (RII) – that easily connects the projector to the different video sources used in home theatre applications. The SIM2 GRAND CINEMA HT line provides complete compatibility with all video sources, including High Definition ATSC (480p, 720p, 1080i) with both 4:3 and 16:9 anamorphic image aspect ratio, all picture standards (PAL, NTSC, SECAM), and computer graphics up to 1600x1200 pixels resolution (compressed).



*“Set this beauty alongside a conventionally designed projector  
and it’s like parking a Porsche Boxster next to an Austin Metro.”*  
What’s video & TV, UK.

## the Italian Design

Would you like to add a touch of high technology wrapped in a unique, elegant case to your home? Then the SIM2 GRAND CINEMA HT line is the right choice for you: not boxy, but smooth curves for an original and unique cabinet. An exquisite design for a projector conceived to be the high-class focal point of any decor.



Giorgio Revoldini  
Designer

“The new technologies and their formal expressions have found a nearly perfect balance, generating proportionate dimensions and functions. The extreme sophistication combines successfully with the ease of use. The relevance and value of technology are seen and felt without impositions, clearly suggesting the wide range of possible use. The designers finally seem to have gotten rid of the technical and mechanical tradition and its embarrassing intrusiveness, creating new lines free of earlier influences.” G. REVOLDINI



The jury of the 19th ADI (Industrial Design Association) Compasso d'Oro Award has awarded a Nomination to SIM2's GRAND CINEMA line. The ADI Compasso d'Oro Award, the most important prize world-wide for the Italian Industrial Design system since 1954, honours the best products in the past three years (1998-2000) which are selected by an international jury.



The Chicago Athenaeum awarded the prestigious GOOD DESIGN Award to SIM2 for the design of the GRAND CINEMA HT line for contemporary design excellence. A GRAND CINEMA HT projector will be displayed in the Museum's Permanent Design Collection.



The SMAU Jury's verdict: “After years of conventional solutions for a product category that was almost forgotten by the designers, a product is born with an original shape, size and colours and with morphologic features such as to identify it as the possible archetype for all the future generations of products”.

## the product line

**The HT200** projector is the standard model from the GRAND CINEMA HT line. The HT200 features a 800x600 pixels resolution, a high definition zoom lens with a Long-Throw ratio customised for home use, a proprietary sealed optical engine design, an optical and digital keystone adjustment, state-of-the-art VLSI, as well as a 4-segment colour wheel that dramatically improves the colours performance.

**The HT200 SWA** (Super Wide Angle) has been designed for rear projection applications or where the size of the room is an issue. The HT200 SWA is equipped with a short 0.8:1 throw ratio fixed lens.

**The HT250** has been designed to suit the high expectations of the home theatre enthusiast: it features a resolution of 1024x768 pixels for accurate image details. The HT250 provides personal video adjustments such as the white temperature adjustment; which can be adapted to the viewer's preference by changing each colour level (red, green, blue).



[ *"The HT200's pictures are breathtaking. By which I mean stunning to the point of being revolutionary."*  
Home Cinema Choice, UK. ]

**The HT200 DMF** (Dual Mode) projector has been designed specifically to match the 480P High Definition standard. The HT200 DMF projector provides two different resolution modes (by Remote control):

- 16:9 format with a resolution of 848x480 pixels: the ideal solution for progressive DVD players or other 16:9 sources
- the normal 4:3 format with a resolution of 800x600 pixels: best with computer images or traditional 4:3 video sources (Videotape cassette recorders, standard television, etc).

Also, the HT200 DMF projector is equipped with a new 6-segment colour wheel that eliminates the so-called "rainbow effect": the annoying colour flickering.

The HT200 DMF sports a new built-in deinterlacer and video enhancement (DCDi™) powered by Faroudja Laboratories.

**The HT300 PLUS** is the latest GRAND CINEMA HT projector and sports exceptional performance in an elegant new look. Based on the new HD-2 chip by Texas Instruments (1280 x 720 pixels), the HT300 PLUS delivers both native support for 720p, as well as 16:9 aspect ratio for a true High Definition capability.

The light path has been redesigned to further improve the black level, allowing the HT300 PLUS to reach a true contrast ratio of > 1800:1. Furthermore, the HT300 PLUS features a new built-in deinterlacer and video enhancement (DCDi™) powered by Faroudja Laboratories that completes the extraordinary performance of this projector.



HT300 PLUS

## ... HT300 PLUS

The triple keystone adjustment provides a 16° (+/-8°) optical correction (lens shift) for a perfectly rectangular image without artifacts, and where high-ceiling installations are an issue, a digital keystone correction (vertical and horizontal) can be added via Remote Control up to a maximum projector tilt of 42° (+/-21°). Also, the DVI-D input allows complete digital connectivity to an increasing amount of video sources equipped with digital outputs, hence guaranteeing a perfect reproduction without any loss of information or interference in the signal.



**DCDi™ by FAROUDJA LABORATORIES.** This new technology applies motion adaptive deinterlacing that prevents the introduction of motion artifacts and jagged edges from video signals that originate from video cameras. The DCDi™ also features patented 3/2 pull-down with advanced edit detection for exact reconstruction of the original film frame.



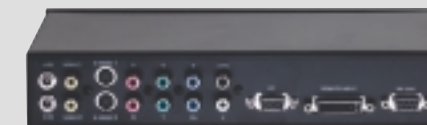
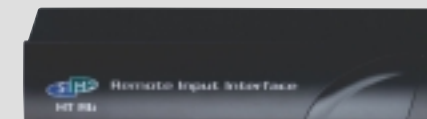
## accessories

**REMOTE INPUT INTERFACE**

SIM2 has designed a unique accessory (optional)— the Remote Input Interface (RII) - that easily connects the projector to the different video sources used in home theatre applications. Positioned next to the video sources (digital receivers, DVD, VCR, etc.), the RII is linked to the projector through a unique cable, designed specifically to eliminate unsightly multiple cable runs to the projector and dramatically ease the installation process.

**RII Inputs**

- 2 x Composite Video via RCA
- 2 x S-Video via 4 mini DIN
- 1 x RGB via 15 pin VGA 'D' Connector
- 1 x RGBS via 4 x RCA connectors
- 1 x YcrCb via 3 x RCA connectors
- 1 x serial RS232 via Dsub 9 pins connector
- 1 jack 12V power output, active when the projector is ON
- 1 jack 12V power output, active when 16:9 and User format is selected

**CEILING, WALL, AND FLOOR MOUNTING BRACKET**

Thanks to a specific and proprietary long throw ratio zoom lens, ceiling installations are no longer a problem. The GRAND CINEMA HT projector may be installed using an optional bracket mounted to the ceiling corner opposite to the screen, avoiding the unpleasant placement of the product in the middle of the room. Also, SIM2 has designed a special and very stylish floor bracket to match the awarded GRAND CINEMA HT design.



Exclusive and sleek design bracket.

**COLOUR PALETTE**

SIM2 GRAND CINEMA HT projectors are available in a rich palette that suits the most diverse interior decoration styles, from a Sporty Racing Red to the elegant Silver Blue, the sophisticated Black Shadow amongst others.



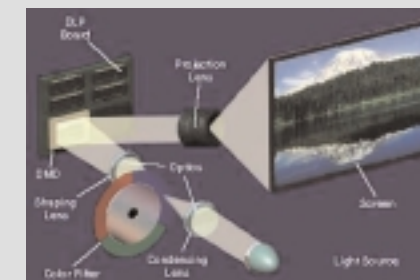
the colours

Model	Standard Colour	Optional Colour
HT200 & HT200 DMF	<ul style="list-style-type: none"> <li>Silver Blue</li> </ul>	<ul style="list-style-type: none"> <li>Racing Red</li> <li>Silver Gray</li> <li>Black Shadow</li> <li>Pearl Gray</li> </ul>
HT200 SWA	<ul style="list-style-type: none"> <li>Silver Gray</li> </ul>	

Model	Standard Colour	Optional Colour
HT250	<ul style="list-style-type: none"> <li>Silver Gray</li> </ul>	<ul style="list-style-type: none"> <li>Racing Red</li> <li>Silver Gray</li> <li>Black Shadow</li> <li>Pearl Gray</li> </ul>
HT300	<ul style="list-style-type: none"> <li>Gun Metal</li> <li>Royal Burgundy</li> <li>Shiny Silver</li> </ul>	

the DLP™ Technology

Digital Light Processing (DLP™) is a new way to project and display video signals and is based on the Digital Micromirror Device (DMD™) developed by Texas Instruments. The inherent digital nature of DLP™ enables noise-free, precise image quality with digital gray scale and very good colour reproduction. Finally, close spacing of the micromirrors causes video images to be projected as seamless pictures with higher perceived resolution.

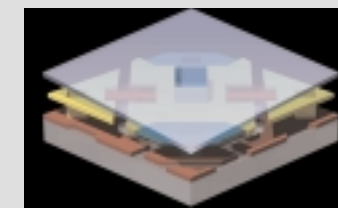


**- Digital Light Processing: How It Works**

A DMD™ can be described simply as a semiconductor light switch. Thousands of tiny, square, 16 x 16µm mirrors, fabricated on hinges atop a static random access memory (SRAM) make up a DMD™. Each mirror is capable of switching a pixel of light. The hinges allow the mirrors to tilt between two states: “on” or “off”.

**- One-Chip DLP System**

SIM2 Multimedia has chosen to develop a one-chip technology based proprietary solution for the new range of products, designed specifically for home theatre applications. In a single-DMD projection system, a colour wheel is used to create a full-colour projected image. The colour wheel is a red, green, and blue filter system that spins at 60 Hz to give 180 colour fields per second (256 shades for each of the primary colours, or 256³ - 16.7 million - possible colours that can be generated). A white segment may be added to increase brightness efficiency of the system.



“Did Italians invent the word “stile”? Theirs is a world of Gucci, Ferrari, and the greatest siren of style, Loren. When speaking about the world of electronics, any audio/video component designed in that Ferragamo-bootshaped country looks wickedly delicious. SIM2 latest GRAND CINEMA line is no exception.”  
Home Theatre magazine, USA.

TECHNICAL FEATURES	HT200	HT200 SWA	HT250	HT200 DMF	HT300 PLUS
<b>LIGHT ENGINE</b>					
<b>DLP™ Type:</b> Proprietary sealed optical engine based on 1 DMD™ Chip. Sealed Housing	•	•	•	•	HD2 chip
<b>Resolution</b> (pixel)	800 x 600 pixels	800 x 600 pixels	1024 x 768 pixels	Dual mode:800 x 600 pixels and 848 x 480 pixels	True 16:9 (1280 x 720 pixels)
<b>Lens:</b>	High quality, high resolution optics with both motorised zoom and focus adjustments	Super wide angle fixed lens with manual focus adj	High quality, high resolution optics with both motorised zoom and focus adjustments	High quality, high resolution optics with both motorised zoom and focus adjustments	High quality, high resolution improved optics for higher contrast and better black level with both motorised zoom and focus adjustments
<b>Lamp power Consumption &amp; Life Time: (6000 hours*)</b>	120W	120W	120W	120W	120W
<b>INSTALLATION</b>					
<b>Optical Keystone Adjustment – lens shift:</b>	+/-10°	n.a.	+/-10°	+/-10°	+/-10°
<b>Digital Keystone Adjustment:</b>	+/-17° vertical	n.a.	+/-17° vertical	+/- 13° vertical, +/-10°horizontal	+/- 13° vertical, +/-10°horizontal
<b>Picture Size:</b>	50-250 inches diagonal	50-150 inches diagonal	50-250 inches diagonal	50-250 inches diagonal	50-300 inches diagonal
<b>Aspect Ratio:</b> normal, anamorphic, letterbox plus 3 custom-user adjustments	•	•	•	plus panoramic and pixel to pixel	plus panoramic and pixel to pixel
<b>ELECTRONICS</b>					
Horizontal & Vertical Scan Freq.: 15 – 80KHz / 48 – 100Hz (max horizontal freq. corresponding to UXGA, 60Hz)	•	•	•	•	•
<b>Video Standards and Graphic Resolutions:</b> PAL B,G,H,I,M,N,60, SECAM, NTSC 3.58 & 4.43 automatically selected, HDTV: ATSC (480p, 720p, 1080i)	•	•	•	•	•
PC Graphic standard: VGA, SVGA, XGA, UXGA (1600x1200 pixel)	•	•	•	•	•
<b>DCDi by Faroudja</b>	n.a.	n.a.	n.a.	•	•
<b>Contrast Ratio</b> (full On / full Off):	>600:1	>600:1	>600:1	>600:1	>1800:1
<b>Colour Temperature:</b> 3 preset colour temperatures plus a RC user adjustment acting directly on each colour (Red, Green and Blue).	•	•	•	•	•
<b>Special Video Adjustment:</b> Luma-Chroma Delay, Adjustment by OSD	•	•	•	•	•
<b>GENERAL SPECIFICATIONS</b>					
<b>Control:</b> Control Software can be upgraded via RS232 serial interface	•	•	•	•	•
<b>Power Consumption:</b>	170W max	170W max	170W max	170W max	180W max
<b>Mains Voltage Range</b> (48/62Hz):	120 - 240Vac, +/- 10%	120 - 240Vac, +/- 10%	120 - 240Vac, +/- 10%	100 - 240Vac, +/- 10%	100 - 240 Vac, +/- 10%
<b>Weight:</b>	11 lbs (5.0 Kg)	11 lbs (5.0 Kg)	11 lb (5.0 Kg)	11 lbs (5.0 Kg)	12.8 lbs (5.8 Kg)
<b>Cabinet Dimensions (W x H x D):</b>	13,8"x6,6"x12,5" (350x167x318 mm)	13,8"x6,6"x12,5" (350x167x318 mm)	13,8"x6,6"x12,5" (350x167x318 mm)	13,8"x6,6"x12,5" (350x167x318 mm)	13,8"x6,8"x12,5" (350x173x318 mm)

(\*) Lamp life: the hours quoted have been calculated under strict test conditions. Misuse or improper use may alter it.

## Screen size (diagonal) vs. Throw Distance

### HT200 & HT200 DMF (4:3 mode)

#### Throw Ratio: 2.3 - 3.1:1

60" – min 110" – max 154"

80" – min 147" – max 205"

100" – min 184" – max 256"

### HT200 DMF (16:9 mode)

#### Throw Ratio: 2.2 - 3.0:1

60" – min 113" – max 154"

80" – min 150" – max 205"

100" – min 188" – max 256"

### HT200 SWA

#### Throw Ratio: 0.8:1

60" @ 38"

80" @ 52"

100" @ 64"

### HT250

#### Throw Ratio: 2.2 - 3.0:1

60" – min 106" – max 144"

80" – min 141" – max 192"

100" – min 100" – max 240"

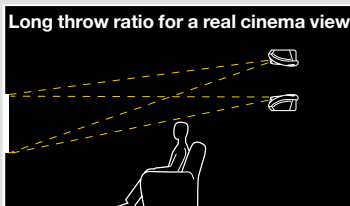
### HT300 PLUS (16:9 mode)

#### Throw Ratio: 1.8 - 2.4

60" – min 94" – max 130"

80" – min 126" – max 173"

100" – min 157" – max 217"



## Inputs/Outputs

1 Composite video via RCA connectors

1 S-VHS via mini Din 4 pin

1 RGBHV via Dsub 15 (PC input)

1 x RGBS/YCrCbS via 4xRCA connectors

1 Remote Input Interface, EVC type,

Standard VESA

1 x RS232 on Dsub 9 pins connector

1 x DVI on DVI-D input (HT300PLUS only)

1 x jack 12V power output,

active when the projector is ON

1 x jack 12V power output,

active when 16:9 format is selected

(max 12V power output 100 mA)

## Certifications

Safety – in compliance with EN 60950/UL1950

Vibration – in compliance with IEC 68-2-6

Emission – in compliance with EN 55022

class B/150KHz – 30MHz

Recyclable packaging.

## Supplied Accessories

AC power cords (EU, UK and USA), length 3m.

User standard remote control with batteries.

Installation and user manual.

## Optional Accessories

Remote Input Interface (RII) Including special connection cable between the projector

and the RII, 30 ft (10 m) long

Ceiling bracket & GRAND CINEMA style

floor/ceiling stand