

Technical specifications

LIGHT ENGINE

- DLP™ Type: 1 chip DMD HD2+ DarkChip3™
- Resolution: 1280 x 720 pixels
- Lens: High Quality, high resolution improved optics for higher contrast and better black level with both motorized zoom and focus adj.
- Lamp power & life time*: 120W 8000 hours

INSTALLATION

- Throw ratio: 1,8-2,4:1
- Lens shift: V+/-8°
- Digital keystone adjustment: V+/-18°; H+/-10°
- Picture size (inches diagonal): 50-250
- Aspect ratio: 16:9 Anamorphic, LetterBox, panoramic, pixel to pixel + 3 custom-user adjustments

ELECTRONICS

- Horizontal & vertical scan freq.: 15-80kHz/48-100Hz (freq. Max H = UXGA 60Hz)
- Video signals compatibility: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3,58; NTSC 4,43 automatically selected,+ 1080i 50Hz
- HDTV: ATSC (480p, 720p, 1080i, 1080p); 576p PC graphic standard: VGA, SVGA, XGA, SXGA, UXGA (1600x1200 60Hz)
- DCD™ by Faroudja: FLI2310
- Contrast ratio (Full ON/ Full OFF): >3500:1
- Color temperature: 36 preset color temperatures selectable by OSD
- Special adjustments: noise reduction, fleshtone regulation, overscan, Live Colors Management (LCM) and Gamma adjustments
- Intelligent picture memory functions: 75 (HT300 E-LINK); 24 (HT300 E) - 3 for each input.

HT300 E-LINK: INPUTS/OUTPUTS

(on DigiOptic™ Image Processor)

- 2 x Composite Video (RCA)
- 2x S-Video (mini Din 4 pin)
- 3 x RGBHV/YCrCb (5x RCA)
- 1 x RGBHV/YCrCb (5x BNC)
- 2 x RGBHV (D-Sub 15 pin)
- 1 x DVI (DVI-D)
- 1 x HDMI™ - HDCP

- 1 x OUT Digital Audio (Toslink)
- 1 x RS232 (D-Sub 9 pin)
- 1 x OUT 12V 100mA (via Jack) active when the projector is ON
- 1 x OUT 12V 100mA (via Jack) active when 16:9 format is selected

HT300 E: INPUTS/OUTPUTS

- 1 x Composite Video (RCA)
- 1x S-Video (mini Din 4 pin)
- 1 x RGBs/YCrCb (4x RCA)
- 1 x RGBHV (D-Sub 15 pin)
- 1 x HDMI™ - HDCP
- 1 x OUT Digital Audio (Toslink)
- 1 x DVI (DVI-D)
- 1 x RS232 (D-Sub 9 pin)
- 1 x OUT 12V 100mA (via Jack) active when the projector is ON
- 1 x OUT 12V 100mA (via Jack) active when 16:9 format is selected

GENERAL SPECIFICATIONS

- Software control: upgradable via RS232 serial interface
- Power consumption: 170W max
- Mains voltage range: 120-240Vac ±10% (48/62Hz)
- Weight: 5.8Kg (12.8 lbs)
- Dimensions (WxHxD): 350x173x318mm (13.8"x6.8"x12.5")

SUPPLIED ACCESSORIES

- Installation and User Manual
- AC power cords (EU, UK ed USA) 2m (6.6 ft)
- Backlit remote control and batteries
- HT300 E-LINK only: DigiOptic™ Image Processor
- HT300 E-LINK only: Fiber optics cable - 20m (65.6 ft)
- HDMI™ cable - 2m (6.6 ft)
- DVI - HDMI™ cable - 2m (6.6 ft)

OPTIONAL ACCESSORIES

- HT BRKT floor and ceiling mounting bracket
- HT300 E-LINK only: HT fiber optics cable 40m (131.2 ft)
- HTR01 universal remote control

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



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HT300 E-LINK and HT300 E projectors

Your link to E-evolution

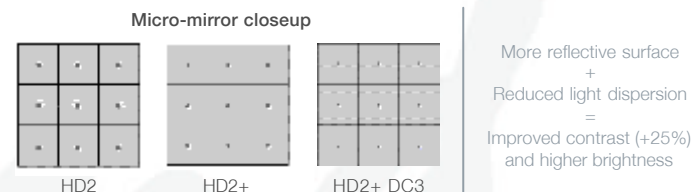
key points

- ✦ The first projectors to feature HD2+ DC3 chip (0.8" 720p DarkChip3™) by Texas Instruments
- ✦ **True contrast ratio: >3500:1**
- ✦ **1280 x 720 pixel (WXGA) resolution**
- ✦ **New Phono Absorbant Materials**
- ✦ New SIM2 **Live Colors Management** and Gamma adjustment
- ✦ HT300 E-LINK: The first projector to feature fiber optic connection
- ✦ HT300 E-LINK: External DigiOptic™ Image processor with 12 inputs (connection up to 500 m - 1600 ft via a unique digital fibre optic cable)
- ✦ **Intelligent picture memory functions**
- ✦ **HDMI™** input
- ✦ Near silent 6 segment color wheel with color corrected filters
- ✦ SIM2 proprietary **alpha-path light engine**
- ✦ SIM2 proprietary projection lens design
- ✦ **DCDi™** by Faroudja built-in
- ✦ Lens shift and digital keystone adjustment
- ✦ Long Throw Ratio zoom lens

The E-evolution models - namely HT300 E-LINK and HT300 E - are the newest addition to the acclaimed and successful Grand Cinema HT series of home theater projectors.

New 0.8" 720p DarkChip3™ by Texas Instruments

The HT300 E-LINK and HT300 E projectors are the first on the market to feature the new 0.8" 720p DarkChip3™ by Texas Instruments (HD2+ DC3). The DarkChip3™ incorporates smaller mirror hinges, reduced gaps between mirrors, a flatter, more reflective surface and a new light absorbent coating for unmatched contrast and color uniformity. Also the DarkChip3™ is a Fast Track Pixel (FTP) chip that allows an approx. 50% reduction of the dithering effect for an exceptionally natural, crystal clear image.



Contemporary cabinet design

The E-evolution projectors sport a new Phono-Absorbent cabinet to further reduce noise emissions resulting from the spinning of the color wheel, and it is available in three different colors: Gun Metal Gray (standard), Royal Burgundy, and Shiny Silver.

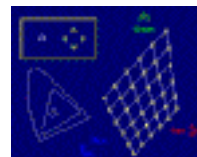


Phenomenal Contrast Ratio

The DarkChip3™ coupled with improved software and SIM2 high quality optics allow the HT300 E-LINK and HT300 E to reach a true contrast ratio of >3500:1 thus delivering on screen an image of unprecedented quality from a single chip projector

Complete color control with the new SIM2 Live Colors Management (LCM) and Gamma functions.

The HT300 E-LINK and HT300 E feature SIM2 LCM and Gamma functions. The LCM algorithm allows you to precisely adjust color temperature to your preferences. Simply, choose from the 36 predefined white points in CIE Chart. In addition, you may choose from the wide range of possibilities provided by the Gamma Tables to optimize image to the connected source (12).



Intelligent Memory functions

The HT300 E-LINK and HT300 E can store up to 3 image memory settings such as brightness, contrast, color temperature, etc. for each input; that is 75 and 24 settings respectively. When you select a new source, the parameters stored in each memory may be applied simultaneously. Or, you may simply choose to recall despite the change of source.

Future proof inputs and advanced video processing

The E-evolution projectors feature an impressive array of digital connections, including HDMI™ and DVI. HDMI™ is a purely digital connection that transmits the uncompressed bitstream directly from the source through to the display - even high definition - and is backwards compatible with DVI. The on board 2nd generation DCDi™ Video Processing powered by Faroudja (FLI2310) guarantees an image that is free from motion artefacts and that your film collection is displayed just as the Director intended!



Fiber optic cable



DigiOptic™ Image Processor

The DigiOptic™ Image Processor (HT300 E-LINK only)

The HT300 E-LINK features all the properties of the HT300 E plus SIM2's DigiOptic™ Image Processor, the remote unit equipped with a wide choice of inputs and linked to the projector through a thin digital fiber optic cable (3,5mm - 0,14" diameter). This means incredible flexibility with the installation, greatly reducing the need for numerous long cable runs to the projector. The system is also upgradeable to accommodate future additional connections.

