

# HT8050

## 4K Home Cinema



## The world's first 4k DLP THX certified projector delivers a true digital cinema experience in your home

Experience the thrill of a professional digital cinema right in your own home with the BenQ HT8050. Designed with the true Audio Visual connoisseur in mind, this projector leverages cutting edge technology to deliver truly breath taking image quality. The 4K Ultra high definition resolution reduces blur to display crisply defined details and is the only DLP 4K projector to have been awarded a THX certification. The HT8050 delivers Rec. 709 color accuracy, precise gamma and super high native contrast ratio which ensures the image is what the director intended it to be.

### State of the art image quality

The HT8050 delivers a truly state of the art, authentic image. XPR fast switching technology doubles the resolution to 8.3 million distinct pixels for each frame, four times the resolution of full HD 1080p. The awe-inspiring DLP 4K UHD chip reduces blur between pixels to deliver supreme clarity and crisply defined details. Video enhancing technologies include color enhancer, flesh tone, digital color transient improvement (DCTI) and digital luminance transient improvement (DLTI), all which combine to deliver truly outstanding color.

### Installation flexibility for a range of options

With the BenQ HT8050, you will have a range of installation options. Designed for compatibility with a wide range of home cinemas, the projector comes equipped with horizontal and vertical lens shift and 1.5X big zoom ratio. The dual HDMI ports and anamorphic lens compatibility expand the installation opportunities.

### THX Certification – A designator of excellence for your home cinema

A mark of true excellence, THX certification is awarded to only the very best of projectors. THX certification is a globally recognized assurance of uncompromising quality, consistency and performance. The certification means you will come as close as possible to reproducing the exact color standard used by filmmakers right in your home cinema.

### Key Features

- 4k UHD resolution delivers exceptional image quality
- THX Certification designates accurate reproduction of content as the director originally intended.
- Vertical and horizontal lens shift offers the ultimate installation flexibility
- Whisper quiet design maximizes your viewing enjoyment
- Single-chip DLP design eliminates any possibility of panel misalignment
- Compatible with 2.35:1 Anamorphic Lens
- Dual HDMI with HDMI2.0 and HDCP2.2 compatibility

## SPECIFICATIONS

Projection System	DLP 4K UHD	
Resolution	3840 x 2160 with XPR technology	
Display Pixels	8.3 million pixels	
Brightness	2200 ANSI lumens	
FOFO Contrast Ratio	50,000:1 with Dynamic Iris	
Display Color	1.07 Billion Colors	
Aspect Ratio	16:9	
Lens	F = 2.05 - 2.37 f = 20.54 - 30.31	
Throw Ratio	1.36 - 2.03 (100" @ 3m)	
Image Size (Clear Focus / Maximum)	95"~180" / 300"	
Zoom Ratio	1.5:1	
Lamp Type	PHILIPS 240W	
Lamp Mode (Normal/Eco/SmartEco)*	3000 / 4000 / 6000 hours	
Lens Shift	Vertical: ± 65% / Horizontal: ± 27%	
HDMI Compatibility	<b>PC Timing:</b> VGA (640 x 480) to 4K UHD (3840 x 2160) <b>Video Timing:</b> 480i/p 60Hz, 576i/p 50Hz, 720p 50/60Hz, 1080i 50/60Hz, 1080p 24/25/30/50/60Hz, 2160p 24/25/30/50/60Hz	
Horizontal Frequency	15 - 102KHz	
Vertical Scan Rate	23 - 120Hz	
Color Wheel Segment	6-Segment (RGBRGB)	
Color Wheel Speed	1x (120 Hz)	
Interface	PC (D-Sub)	x 1
	HDMI	x 2 (HDMI 1: HDMI 2.0 & HDCP 2.2; HDMI 2: HDMI 1.4a & HDCP 1.4)
	USB (Type mini B)	x 1 (Service)
	LAN	x 1
	RS232	x 1
	DC 12V Trigger	x 2
	IR Receiver	x 2 (Front & Back)
	IR in	x 1
Dimensions (W x L x H)	18.5" x 22.2" x 8.9" (470.7 x 564.7 x 224.9 mm)	
Weight	32.6 lbs (14.8 kg)	
Power Supply	AC100 to 240V, 50 to 60 Hz	
Power Consumption	Normal 353W, Eco 290W, Network Standby <6W, Standby <0.5W	
Audible Noise	26 / 23 dBA (Silence mode)	
On-Screen Display Languages	English / French / Spanish (28 Languages)	
Picture Modes	** ISF Disabled: Bright / Vivid / Cinema / THX / Silence / User 1 / User 2 *** ISF Enabled: Bright / Vivid / Cinema / THX / Silence / User 1 / User 2 / ISF Night / ISF Day	
Accessories	<b>Standard</b>	<b>Optional</b>
	Lens Cover	Spare Lamp Kit
	Remote Control with Battery	CMG5 Ceiling Mount
	Power Cord (by region)	Anamorphic Lens
	User Manual CD	
	Quick Start Guide	
	Warranty Card	
Environmental Notice	Lamp in this product contains mercury. To dispose of the product or used lamps, consult your local environment authorities for regulations or see <a href="http://www.lamprecycle.org">www.lamprecycle.org</a> .	

\*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

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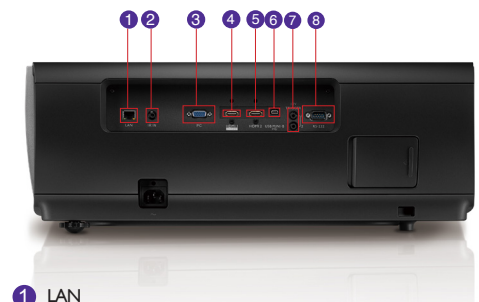
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### DIMENSIONS



### INPUT / OUTPUT TERMINALS



- 1 LAN
- 2 IR in
- 3 Computer in (D-sub 15pin)
- 4 HDMI 1: HDMI 2.0 & HDCP 2.2
- 5 HDMI 2: HDMI 1.4a & HDCP 1.4
- 6 USB (Type mini B)
- 7 DC 12V Trigger
- 8 RS232 (DB-9pin)



Because it matters