



BenQ DLP Projector

V7000i / V7050i

Feature Highlight

- * Light Source Life : 20,000hr (Typical, light source only)
- * 0.47" 4K UHD
- * HDR10 and HLG
- * HDR Pro : Enhanced Dynamic Range for HDR
- * **Rec.709 96% and DCI-P3 98%**
- * 3D compatibility
- * **Android TV inside**
- * FILMMAKER MODE



Display

Projection System	DLP
DMD type	0.47"
Native Resolution	4K UHD (3840 x 2160)
Brightness	2500 (marketing)
Contrast Ratio (FOFO)*	2,000,000:1 (Dynamic)
Display Color	30 Bits (1.07 Billion Colors)
Aspect Ratio	Native 16:9(4:3)
Light Source	Laser + Phosphor
Light Source life*	20,000hr (Typical, light source only)

Optical

Throw Ratio	0.252 (100"±3%@0.22m)
Zoom Ratio	NA
Lens	F=2.0; f=2.45mm(approximate)
Keystone Correction	1D, (Auto) Vertical ± 30 degrees
Lens Shift	NA
Projection Size (Clear Focus / Maximum)	70"~120"

Audio

Built-in Speaker	Yes (Trevolo Speaker 5W x 2)
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Picture

Picture Mode	Bright, Bright Cinema (Default) , FILMMAKER MODE, DCI-P3, Silence, User, HDR10, HLG, 3D
Color Wheel Segment	RGBRGB
Color Wheel Speed	2D: 24Hz 5X ; 50Hz 2X ; 60Hz 2X 3D: Max 120Hz

Special Feature

Security	Security Bar
Feature	HDR 10, HLG, 3D, Motion Enhancer 4K, Pixel Enhancer 4K, Eye protection sensor, Android smart platform, FILMMAKER mode

Special Feature

HDR10	Yes
HLG	Yes
ISF	No
CinemaMaster Video+	Yes
LAN control	No

Compatibility

Resolution Support	VGA(640 x 480) to UHD(3840 x 2160)
Horizontal Frequency	15~135KHz
Vertical Scan Rate	23 ~ 120 Hz
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p UHD
Video Compatibility	N/A

Interface

HDMI (2.0b) (HDCP2.2)	x 2 (Electronic Control)/ARC only for HDMI 2) (ARC only support 2-channel audio out)
USB 3.0 Type-A port (Media Reader/Firmware upgrade) (side)	x1 (USB reader/driver, FW download/power supply - 5V 1A)
USB 2.0 Type-A port (Media Reader/Firmware upgrade) (back)	x1 (USB reader/driver, FW download/power supply - 5V 1.5A)
USB Type-A port (5V/2.5A power supply) (side)	x1 (only for ATV control/power supply)
USB Mini-B port (Firmware upgrade)	NA
Audio Out (mini jack)	NA
12V Trigger (3.5mm Jack)	NA
RS232 In (D-sub 9pin, male)	x1
Audio Out (SPDIF)	x1
RJ-45 LAN (10/100M)	NA
Wired Remote in (3.5mm Mini Jack)	NA
IR Receiver (Front/Top)	Yes (front*1)

Power

Power Consumption(Max/Normal/Eco)	500W/375W/220W
Standby Power Consumption	<0.5W
Network Stand-by Power Consumption	NA
Power Supply	AC 100 to 240 V, 50/60 Hz

Dimension and Weight

Product Dimensions (WxHxD)	500*388*157 mm
Product Weight	10kg (+/-100g)

Operation Condition

Noise Level(Normal/Eco)	Typ. 34/29dBA (XPR off)
Operating Temperature	0~40 degrees (Celsius)

Accessories

Accessories (Standard)	Remote Control w/ Battery x 2 (RCJ067 / RCV024) Power Cord (by region) x 1 (3m) Quick Start Guide (1BL)
Accessories (Optional)	3D Glasses

OSD

On Screen Display Language	28L
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Environment Notice

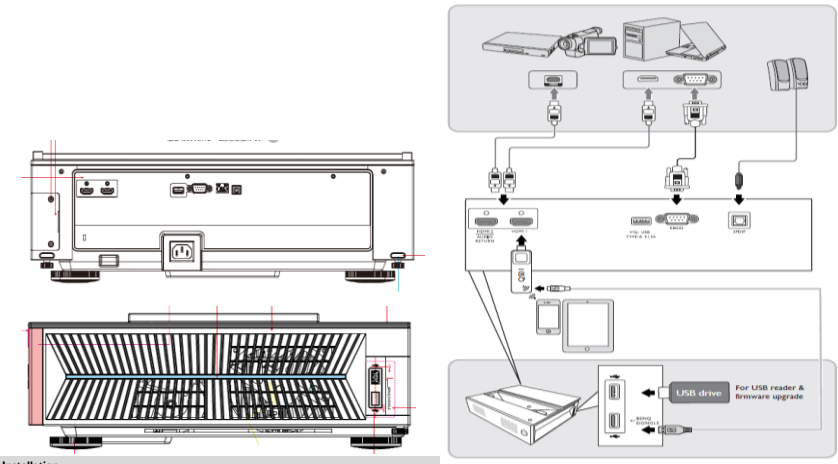
*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

** The Contrast is measure by Full On Full Off standard.

*** Default picture mode is Living room



Connectivity



No	I/O	Quantity
1	SPDIF audio output port (Only support 2-channel audio)	1
2	HDMI-1 (HDMI 2.0b & HDCP 2.2) (for Q501)	1
3	HDMI-2 (HDMI 2.0b & HDCP 2.2) (ARC only support 2-channel audio)	1
4	RS232 In (D-sub 9pin, male)	1
5	Back : USB 2.0 Type-A port (Media Reader/Firmware upgrade/1.5A power Supply)	1
6	Side : USB 3.0 Type-A port (Media Reader/Firmware upgrade/1A power Supply)	1
7	Side : USB Type-A port (2.5 A power supply) (for Q501 power supply/control)	1

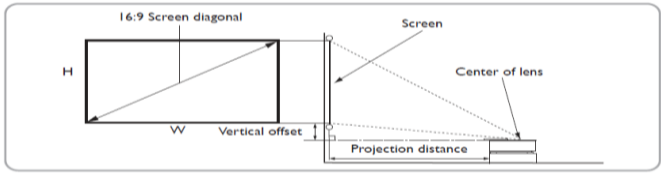
Installation

The screen aspect ratio is 16:9 and the projected picture is 16:9 aspect ratio

Image size				Projection distance (mm)	Vertical Offset (mm)
Diagonal		Width (mm)	Height (mm)		
Inch	mm				
70	1778	1550	872	73	160
80	2032	1771	996	120	191
90	2286	1992	1121	176	221
95	2413	2103	1183	200	236
100	2540	2214	1245	222	252
120	3048	2657	1494	331	313

Projection dimensions

Installation for a 16:9 ratio screen



Dimensions

Color Depth

Display format (refresh rate)	Chroma subsampling	8 Bit	10 Bit	12 Bit
4K/60p (60 Hz)	4:4:4	Yes	No	No
	4:2:2	Yes	Yes	Yes
	4:2:0	Yes	Yes	Yes
4K/24p (24 Hz)	4:4:4	Yes	Yes	Yes
	4:2:2	Yes	Yes	Yes
	4:2:0	Yes	Yes	Yes
1080P/60P (60 Hz)	4:4:4	Yes	Yes	Yes
	4:2:2	Yes	Yes	Yes
	4:2:0	Yes	Yes	Yes
1080P/24P (24 Hz)	4:4:4	Yes	Yes	Yes
	4:2:2	Yes	Yes	Yes
	4:2:0	Yes	Yes	Yes

Icon of Cinematic Color Rec.709
Icon of Cinematic Color DCI-P3

Feature icons

