



BenQ DLP Projector

TK700ST



Feature High Light

- * 4K UHD 8.3M Pixel resolution
- * HDR Game Compatibility
- * 95% Rec.709 Coverage
- * Short Distance Projection, 100 inches at 1.99 meters
- * 3D (Auto) Vertical ± 30 degrees; Horizontal ± 30 degrees; Picture Rotation ± 30 degrees
- * Three Preset Game Modes
- * - FPS/RPG/SPG
- * Low Latency
- 4K: 16.67ms@60Hz
- 1080p: 16.67ms@60Hz
- 1080p: 8.33ms@120Hz
- 1080p: 4.16ms@240Hz

Display

Projection System	DLP
DMD type	0.47"
Native Resolution	3840 x 2160 pixels
Brightness	3000 ANSI Lumens
Contrast Ratio*	10000:1
Display Color	1.07 Billion Colors
Aspect Ratio	Native 16:9
Light Source	240W Lamp
Light Source life*	4000/10000/8000/15000 hours(Normal/Eco/SmartEco/Lamp Save)

Optical

Throw Ratio	0.9~1.08 ; 100"±3% @ 1.99m
Zoom Ratio	1.2x ±2%
Keystone Correction	3D Keystone "+/- 30" (H/V/R, Auto V only)
Projection Offset	110%±3%
Projection Size (Clear Focus / Maximum)	60"~200" / 300"

Picture

Picture Mode	Bright/Living Room/Game/Sport/Cinema/User/(HDR Game)/(HDR10)/(HLG)/(3D)
Game Mode	FPS/RPG/SPG
Rec.709 Coverage	95%

Audio

Built-in Speaker	5W treble chamber x1
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Special Feature

Security	Kensington Lock
Feature	4K UHD, HDR10, 3D (Auto) Vertical ± 30 degrees; Horizontal ± 30 degrees; Picture Rotation ± 30 degrees . Short Throw Lens (0.9~1.08 ; 100"±3% @ 1.99m)

Compatibility

Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160)
Horizontal Frequency	15K~135KHz
Vertical Scan Rate	23~120Hz
HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p, 2160p
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i/576i), EDTV (480p/576p), HDTV (720p, 1080i/p 60Hz), 2160p
Console Game Compatibility	Playstation 5, Playstation 4 Pro, Playstation 4, Playstation Slim Xbox Series X/S Nintendo Switch

Power

Power Consumption(Max/Normal/Eco)	Max 380W, Normal 310W, Eco 215W Typical Power Consumption: 296W@220VAC
Standby Power Consumption	0.5W Max. at 100 ~ 240VAC
Power Supply	VAC 100 ~ 240 (50/60Hz)

Dimension and Weight

Product Dimensions (WxHxD)	312mm x 110mm x 246mm
Product Weight	3.1 kg (6.83 lbs)

Operation Condition

Noise Level(Normal/Eco)	34/28 dBA
Operating Temperature	0 ~ 40°C

Accessories

Accessories (Standard)	Power Cord Remote Control AAA Battery Quick Start Guide Warranty Card (by region)
Accessories (Optional)	N/A

OSD

On Screen Display Language	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (30 Languages)
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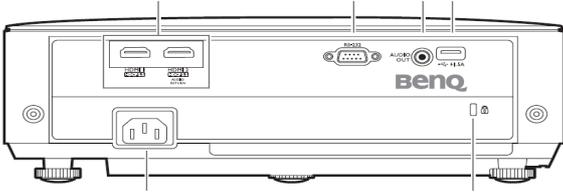
Environment Notice

*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.

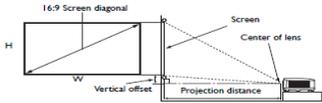


Connectivity



No	I/O Name	Quantity
External		
1	HDMI (2.0b, HDCP2.2)	1
2	HDMI (2.0b, HDCP2.2) - (support Audio Return)	1
3	USB Type A(1.5A power)	1
4	RS232 In (D-sub 9pin, male)	1
5	Audio Out (mini jack)	1

Installation



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

Screen size				Projection distance (mm)			Vertical offset (mm)
Diagonal	H (mm)	W (mm)	Min distance (with max zoom)	Average	Max distance (with min zoom)		
Inch	mm						
30	762	374	664	585	657	717	37
40	1016	498	886	797	877	956	50
50	1270	623	1107	996	1096	1195	62
60	1524	747	1328	1195	1315	1435	75
70	1778	872	1550	1395	1534	1674	87
80	2032	996	1771	1594	1753	1913	100
90	2286	1121	1992	1793	1972	2152	112
100	2540	1245	2214	1992	2192	2391	125
110	2794	1370	2435	2192	2411	2630	137
120	3048	1494	2657	2391	2630	2869	149
130	3302	1619	2878	2590	2849	3108	162
140	3556	1743	3099	2789	3068	3347	174
150	3810	1868	3321	2989	3287	3586	187
160	4064	1992	3542	3188	3507	3825	199
170	4318	2117	3763	3387	3726	4065	212
180	4572	2241	3985	3586	3945	4304	224
190	4826	2366	4206	3786	4164	4543	237
200	5080	2491	4428	3985	4383	4782	249
210	5334	2615	4649	4184	4602	5021	262
220	5588	2740	4870	4383	4822	5260	274
230	5842	2864	5092	4583	5041	5499	286
240	6096	2989	5313	4782	5260	5738	299
250	6350	3113	5535	4981	5479	5977	311
260	6604	3238	5756	5180	5698	6216	324
270	6858	3362	5977	5380	5917	6455	336
280	7112	3487	6199	5579	6137	6695	349
290	7366	3611	6420	5778	6356	6934	361
300	7620	3736	6641	5977	6575	7173	374

Feature icons