



The 4K Home Entertainment Projector for Binge Watchers and Sports Fans

Inside a bright living room, it's the TK850's huge 120" + projected 4K, UHD 8.3-million-pixel picture with authentic HDR color for the win! It's the perfect choice for binge watching your favorite streaming shows, with BenQ's Dynamic Iris driven by our Dynamic Black™ Technology for incredible detail. Future proof your viewing experience with Hybrid Log (HLG) support for immersive viewing of live 4K broadcasting events like the 2020 Tokyo Olympics.

Sport Picture Mode and Sport Sound Mode

Any lighting, any time. Custom preset Sport Picture Mode and Sport Sound Mode with powerful audio put you in the action as if you're in the stadium, all in a stylish, compact design with easy setup. Plus the Motion Enhancer (MEMC) for smoothing fast-moving action. It is exactly what you have been waiting for to watch events like the 2020 Super Bowl with your friends and family.

DLP Projector Technology

Enjoy eye-opening accurate color with our DLP projector technology, delivering high brightness 3000 ANSI lumens, 98% Rec. 709 color gamut and BenQ HDR-PRO™ optimized contrast for stunning performance. Immerse yourself in the big game and the big show in realistic wonder. 120"



3 Key Benefits

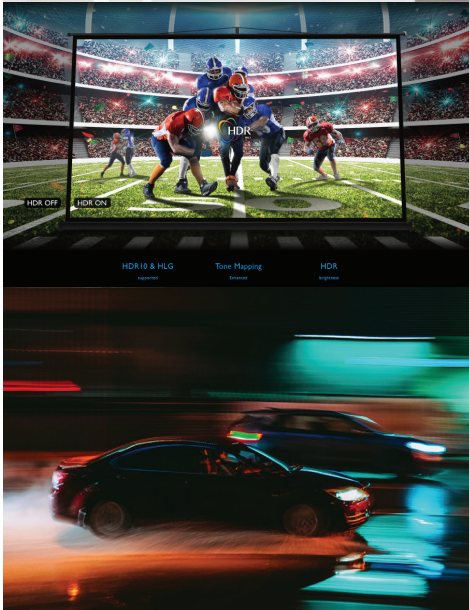
TK850

Home Entertainment



Watch bright 4K TV shows in a bright living room

The TK850 delivers high brightness and sharp detail for viewing in a brightly lit room—without closing the curtains for daytime viewing. It is a good 3D 4K projector and the best 4K living room projector!



Enjoy the cinematic experience at your home with BenQ HDR-PRO™

BenQ industry-leading HDR-PRO™ technology provides deeper color, richer contrasts, with enhanced HDR tone mapping with the BenQ Dynamic Iris, which automatically adjusts the brightness level of your projector for the absolute best image possible. The hardware feature of the Dynamic Iris is driven by state-of-the-art Dynamic Black™ Technology, the BenQ software algorithm that is unparalleled in the industry.

High-speed action won't leave you behind.

Fast-moving sports stars and superheroes are rendered in exquisite detail by the BenQ 4K Motion Enhancer. Our exclusive Motion Estimation/Motion Compensation (MEMC) projects ultra-smooth images up to 4K 60Hz.

3 Key Tips



Simple upgrade from 1080p to 4K

The world is evolving from 1080p to 4K and there is more. It's time to upgrade your projector and the TK850 4K HDR projector is your perfect ladder to the future. Moving up from the BenQ W1070, HT2050, and HT2050A is a snap. The TK850 can use the existing ceiling mount and the throw ratio is the same, making setup a breeze!



Easy firmware updates

Keep your TK850's firmware up to date by downloading to a USB drive on your computer and transferring the software to the projector via an onboard USB port. Get up-to-date and back in the action in 10 minutes!



You have the best seat in the arena

The TK850 4K projector gives you big picture and big sound. Sport Picture Mode provides ultra-realistic skin tones and warm tones for lush green grass and blue for stunning big-screen projection to make every second of the match seem larger than life. And Sport Sound Mode clarifies the announcer's every comment even as you're immersed in the cheering crowd.

SPECIFICATIONS

Display	
Projection System	DLP
DMD type	0.47"
Native Resolution	4K UHD (3840 x 2160) Resolution
Brightness	3000 ANSI Lumens
Contrast Ratio**	30,000:1 (Dynamic Iris)
Display Color	30,000:1 (Dynamic Iris)
Aspect Ratio	Native 16:9 (6 aspect ratio selectable)
Light Source	Lamp
Light Source life***	Normal 4000 hours Eco 10000 hours SmartEco 15000 hours
Optical	
Throw Ratio	1.13 - 1.47 (100" @ 8.2 ft)
Zoom Ratio	1.3X
Keystone Correction	ID, (Auto) Vertical ± 30 degrees
Projection Offset	100%
LenShift	Vertical +10%
Projection Size (Clear Focus / Maximum)	40"~200"/30"~300"
Audio	
Built-in Speaker	5W x 2 (Chamber)
Picture	
Picture Mode	Bright / Living Room / Cinema/ Sports / Silence / (3D)* / User 1 / HDR / HLG
Color Wheel Segment	4 segment (RGBW)
Color Wheel Speed	2D: 96Hz; 100Hz; 120Hz 3D: 120Hz
Special Feature	
Security	Security Bar, Kensington lock
Feature	HDR10, HLG, 3D, CinemaMaster Video + (Motion Enhancer 4K, Pixel Enhancer 4K), CinemaMaster Audio + 2, Auto Keystone
Compatibility	
Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160)
Horizontal Frequency	15K-135KHz
Vertical Scan Rate	23-120Hz
HDTV Compatibility	720p 50/60Hz, 1080i 50/60Hz, 1080p 24/25/30/50/60Hz, 2160p 23/24/25/30/60Hz
Power	
Power Consumption(Max/Normal/Eco)	Max 350W, Normal 340W, Eco 280W
Standby Power Consumption	0.5W Max. at 100 ~ 240VAC
Power Supply	VAC 100 ~ 240 (50/60Hz)
Dimension and Weight	
Product Dimensions (WxHxD)	14.96 x 5 x 10.35 in / 380 x 127 x 263 mm
Product Weight	9.3 lb/ 4.2 kg
Operation Condition	
Noise Level(Normal/Eco)	30/28dBA (Silence mode)
Operating Temperature	0~40 degrees (Celsius)
Accessories	
Accessories (Standard)	Remote Control - RCV017 w/ Battery x 1 (5JJKC06.001) Power Cord (by region) x 1(3m) User Manual CD (27L) Quick Start Guide (21L) Warranty Card
Accessories (Optional)	Spare Lamp Kit (5JJKC05.001) 3D Glasses

TK850

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CinemaMaster[™]
Audio+
CinemaMaster[™]
Video+



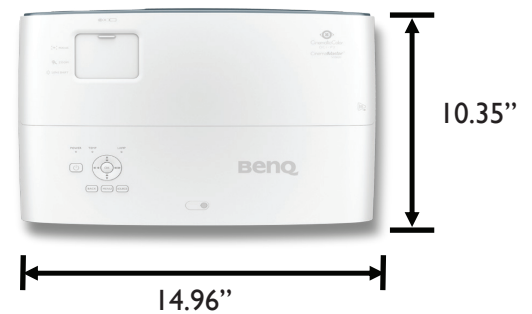
HDCP2.2
HDMI[™]



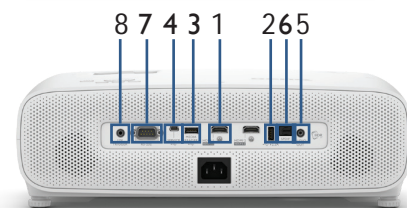
KEY FEATURES

- True 4K UHD (3840 x 2160) 8.3M pixel resolution
- Vivid colors and high brightness cut through living room ambient light
- Sport Mode powered by 98% Rec.709 coverage with optimized RGBW color wheel
- HDR-PRO™ projector-optimized HDR10 and HLG for live 4K broadcasting content
- High contrast 30,000:1 with dynamic Iris for sharpness
- Enables a 100" picture from 8.2 feet with short throw projection
- Easy to adjust image with vertical lens shift and auto vertical keystone
- Immersive 3D experience with resolution up to 1920x1080
- Supports up to 15,000 hours lamp life
- Customizable to your personal needs with ISFccc® Certificated control
- HDMI for your Apple TV 4K, Xbox One X and PS4 Pro
- Motion Enhancer to eliminate motion blur and noise in fast-motion video content

DIMENSIONS



CONNECTIVITY



1. HDMI x 2(2.0b, HDCP2.2)
2. USB TypeA (5V/2.5A power)
3. USB TypeA (Media Reader, FW download)
4. USB Type min B (FW download, service)
5. Audio out (mini jack)
6. Audio out (S/PDIF) - (Only support 2-channel audio)
7. RS232 In (D-sub 9pin, male)
8. DC 12V Trigger (3.5mm Jack)

Environment Notice

*In 3D Mode: Resolution is 1920x1080 in 3D Mode.

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

***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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