



DESCRIPTION

Reproduce Authentic Cinematic Colors as Directors Envisioned

Get ready for true 4K HDR with cinematic wonder like you're in an authentic digital cinema. For audio-video enthusiasts who want to take in every little detail for truly cinematic experiences, enjoy the super-wide color space up to 100% DCI-P3 with film-like texture and playback as directors envisioned. BenQ W5700 4K HDR CinePrime Projector with CinematicColor technology ushers awe-inspiring movie magic into your tailored AV room.

CinematicColor for Colors as Directors Envisioned

BenQ CinePrime W5700 4K HDR projector with CinematicColor technology elevates your cinematic enjoyment with a genuine movie-going experience. Powered by the super-wide industry standard DCI-P3 color space, W5700 delivers precise colors and authentic emotions to perfectly preserve the directors vision in immersive film-like cinematic experiences.

Super-Wide 100% DCI-P3 Color Rivaling Digital Cinemas

The motion picture industry's loftiest color standards guarantee accurate reproduction of cinematic HDR colors across 4K UHD devices as filmmakers intended. Enhancing optimal colors for precise picture quality, BenQ CinematicColor technology achieves up to 100% of digital cinema industry's super-wide DCI-P3 color space, which is 1.26 times of the Rec. 709 color space. With DCI-P3, you can enjoy richer, more lifelike colors than ever possible on a 1080p Full HD TV.

Enhanced Color Mapping for Reproduction of Natural Hues

BenQ DCI-P3 Cinematic Color technology's enhanced color mapping performs precision color rendition to unleash breathtaking visuals with perfectly lifelike colors automatically tuned to reflect natural hues when viewing DCI-P3 4K Blu-ray movies.

Factory Calibrated Out-of-the-Box Color Accuracy

Using special instruments and software, W5700 is tested and adjusted for precise D65 color temperature, gamma, black level, white level, neutral grey, RGB/CMY color tracking, hue, saturation, brightness and output based on DCI-P3 and Rec. 709. All data from multiple interfaces is compiled for individual factory calibration reports, guaranteeing up to 100% Rec.709 and DCI-P3 color accuracy with $\Delta E < 3^*$ to reproduce authentic colors of Hollywood films.

*Delta E quantifies the difference between a reference color and the projector's actual color based on $L^*a^*b^*$ coordinates to represent «a difference in sensation.» Delta E < 3 performance means virtually no perceptible color difference to the human eye. (Delta E < 3 performance enabled in D. Cinema modes.)

ISFccc® Certified Visual Calibration

With the Imaging Science Foundations highly reputed ISFccc® calibration built-in, W5700s image and color performance can be customized for any space, along with preset light balance modes for day and night.

Hyper-Realistic Video Quality with HDR-PRO™

Optimized for projection, BenQ exclusive HDR-PRO technology enhances the 4K HDR viewing experience. Employing enhanced tone mapping, HDR-PRO offers greater contrast range to bring out every detail from 4K Blu-rays as well as streaming content for unparalleled cinematic enjoyment.

Incorporated Cinematic Aesthetics and Philosophy

To achieve fully personalized cinematic atmosphere, W5700 provides optimized movie modes tailored for home cinema and film-like motion as directors intended.

Authentic Cinema Reproduction for Dark Rooms

D.Cinema Mode

Reveals wide-ranging colors and subtle details in movies utilizing up to 100% DCI-P3 color gamut, to showcase the finest 4K SDR content in a comfortable AV room environment.

HDR Mode (Wide Color Gamut Enabled)

Provides the highest dynamic contrast and true color reproduction based on HDR-PRO technology and up to 100% DCI-P3 color gamut, ideal for 4K HDR Blu-rays and streaming HLG content in comfortable AV room settings.

Big-Screen Movie Experiences for Living Rooms

Cinema Mode

Heightened brightness to reproduce 100% Rec. 709 color accuracy for enjoying SDR movies in higher ambient brightness.

HDR Mode

Designed for watching 4K HDR Blu-rays and streaming HLG content based on 100% Rec. 709 and HDR-PRO technology in higher brightness environments.

Film-Like Motion for Cinematic Rhythm

To enjoy the authentic movie shot exactly as the director intended, W5700 supports 24 frames per second (fps) playback which can accept high definition sources without judder in HDR mode to preserve the purity of the original image, so your 4K movies can be displayed at the correct cadence, without the need for pulldowns which distort playback of the source video.

The Art and Craft of True 4K UHD

4K UHD True 8.3 Million Pixel Perfection

Producing 4K UHD 3840x2160 resolution with 8.3 million distinct pixels for each frame, W5700 utilizes the new generation 0.47 single-DMD DLP technology to m

TECHNICAL CHARACTERISTICS

Brand : BENQ	
Part number : 9H.JKV77.17E	
Réseau :	
Smart TV :	N
Caractéristiques :	
HDCP :	Y
Vidéo :	
Full HD :	Y

AC (power) in : Y
AC input voltage : 100 - 240 V
Aperture range (F-F) : 1.81 - 2.1
Built-in display : N
Built-in speaker(s) : N
Cables included : AC
Card reader integrated : N
Contrast ratio (dynamic) : 100000:1
DC-in jack : Y
Depth : 349 mm
DVI port : N
Ethernet LAN : Y
Ethernet LAN (RJ-45) ports : 1
Focal length range : 14.3 - 22.9 mm
Focus : Manual
HDMI connector type : Full-size
HDMI ports quantity : 2
HDMI version : 2.0b
Height : 168 mm
Horizontal lens shift range : -23 - 23%
Horizontal scan range : 15 - 102 kHz
Keystone correction, vertical : -40 - 40°
Lamp power : 245 W
Light source type : Lamp
Manual : Y
Market positioning : Home cinema
Mini-USB 2:0 ports quantity : 1
Mobile High-Definition Link (MHL) : N
Native aspect ratio : 16:9
Noise level : 32 dB
Noise level (economic mode) : 26 dB
Number of colours : 1.073 billion colours
Number of OSD languages : 28
On Screen Display (OSD) : Y
On Screen Display (OSD) languages : Arabic, Bulgarian, Simplified Chinese, Traditional Chinese, Croatian, Czech, Danish, German, English, Spanish, Finnish, French, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Swedish, Thai, Turkish
Operating altitude : 0 - 1499 m
Operating relative humidity (H-H) : 10 - 90%
Operating temperature (T-T) : 0 - 40 °C
PC Audio out : Y
Placement : Desktop, Ceiling
Power consumption (economy mode) : 247 W
Power consumption (max) : 405 W
Power consumption (standby) : 0.5 W
Power consumption (typical) : 330 W
Power source : AC
Product colour : Black
Product type : Standard throw projector
Projection distance : 1.75 - 9.32 m
Projection technology : DLP
Projector brightness : 1800 ANSI lumens
Projector native resolution : 2160p (3840x2160)
Remote control included : Y

Screen size compatibility : 1524 - 7620 mm (60 - 300»)
Serial interface type : RS-232
Service life of light source : 4000 h
Service life of light source (economic mode) : 10000 h
Storage relative humidity (H-H) : 10 - 90%
Storage temperature (T-T) : -20 - 60 °C
Supported graphics resolutions : 640 x 480 (VGA), 720 x 400, 800 x 600 (SVGA), 832 x 624, 1024 x 576 (WSVGA), 1024 x 768 (XGA), 1152 x 864 (XGA+), 1152 x 870, 1280 x 1024 (SXGA), 1280 x 720 (HD 720), 1280 x 768 (WXGA), 1280 x 800 (WXGA), 1280 x 960, 1360 x 768 (WXGA), 1400 x 1050 (SXGA+), 1440 x 900 (WXGA+), 1920 x 1080 (HD 1080), 1920 x 1200 (WUXGA), 3840 x 2160
Supported video modes : 480i, 480p, 576i, 576p, 720p, 1080p, 2160p
Throw ratio : 1.36 - 2.18
USB 2:0 ports quantity : 2
USB 3:2 Gen 1 (3:1 Gen 1) Type-A ports quantity : 1
Vertical lens shift range : -60 - 60%
Vertical scan range : 23 - 120 Hz
Weight : 6.5 kg
Width : 492 mm
Wi-Fi : N
Zoom capability : Y
Zoom ratio : 1.6:1