

High-Performance DLP Projector Utilising Yamaha Natural Black and Other Superior Technologies for 4,000:1 Contrast, 1,500 ANSI Lumens Brightness and Magnificent Colours.



- Yamaha Natural Black Concept
- 4,000:1 Contrast Ratio
- High Brightness: 1,500 ANSI Lumens
- High Resolution: 1,024 x 576
- Motorised Iris Control for Higher Contrast
- Seven-Segment Colour Wheel
- Low Light Leakage
- Long 4,000-Hour Lamp Life
- Quiet Operation (30dB)
- DVI-D Terminal and HDMI Compatibility

DPX-530 Main Specifications

Projection System	Digital Light Processing (DLP) TM Technology
Device Type	Size: 0.65 inch DMD TM x1 (aspect ratio: 16:9)
Pixels	1,024 x 576 (589,824) pixels
Brightness	1,500 ANSI lumens (maximum)
Contrast Ratio	4,000:1 (maximum)
Projection Lens	F=2.4 – 2.6, f=23 – 27.6 mm
Iris	Motorised
Zoom	Manual x 1.2
Focus	Manual
Screen Size	40" min. – 275" max. (projection distance: 1.3 – 10 m)
Lamp	250 W
Signal-to-Noise Ratio	30 dB (lamp: Cinema mode)
Colour Format	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Video Compatibility	480i, 576i, 480p, 720p (50/60Hz), 1080i (50/60 Hz)
Input Terminals	Component video, DVI-D (HDCP compatible), Composite video, S-Video, Analogue RGB, RS-232C terminal (with cable)
3:2 Pulldown Detection	Yes
Gamma Modes	4: Default, Dynamic, Cinema 1, Cinema 2
Colour Temperature Modes	4: High, Mid, Low, Custom
Aspect Modes	5: Default, Normal, Squeeze, Zoom, Through
Power Consumption	340 W, Standby 7 W
Dimensions (W x H x D)	360 x 102 x 290 mm; 14-3/16" x 4" x 11-7/16"
Weight	3.9 kg; 8.6 lbs.

d-cinema

"d-cinema" is the slogan of Yamaha A/V products and technology, reflecting our focus on digital technology and our leadership in creating and refining digital home cinema.

Yamaha Natural Black Concept

NATURAL BLACK How a video system reproduces black and all its gradations is what determines contrast, and generally makes the difference between an image that is merely good and one that is sharp and richly detailed at every level of brightness. In quest of superior contrast performance, Yamaha developed the Natural Black concept, whereby various technologies, parts and functions combine to achieve truer, deeper levels of black than those of conventional home cinema projectors.



Yamaha Natural Black makes subtle degrees of black in textures, shadows and so on stand out more clearly. With other video projectors, black contrast may be soft and fuzzy rather than sharp and clear.

4,000:1 Contrast Ratio (Highest Level in Its Class) and Brightness of 1,500 ANSI Lumens

The DPX-530 utilizes DLP™ and other advanced technologies to deliver superior overall projection performance. In addition to having a wide-panel DMD™ with a mirror angle of ±12°, the optical engine features a high-detail all-glass lens. The prism shape and lens arrangement have been precisely designed and a special coating reduces the light reflection that can affect contrast performance. As a result, contrast is an amazing 4,000:1 and small details that would ordinarily be obscured by black areas are visible. In addition, the highest level of brightness in its class (1,500 ANSI lumens) lets you enjoy clear images



DPX-530 Extensive Connections

In addition to a component video terminal, the DPX-530 rear panel offers a DVI interface (DVI-D and HDCP compatible), composite video terminal, S-Video terminal, analogue RGB terminal, and RS-232C terminal (with cable).

in ordinary living room lighting.

Motorised Iris Control for Higher Contrast

The DPX-530 utilises motorised Optical Iris Control. Optimising the shape of the iris contributes to the high contrast performance and helps to increase the depth of field



Seven-Segment Colour Wheel

This projector uses an improved color wheel with seven segments, including a white segment that makes bright scenes extremely vivid.



Low Light Leakage

The chassis is designed to block light leakage from the front, where stray light is more likely to affect picture quality.



4,000-Hour Lamp Life

The lamp has a long service life of approximately 4,000 hours (lamp Cinema mode), thanks to an improved temperature control system.

Quiet Operation

The DPX-530 runs with the quiet efficiency customers expect from a high quality home cinema projector. It uses effective ducting and minimises cooling fan operation by continually adjusting it according to picture brightness. Viewers can lost themselves in the movie without the annoyance of projector noise.

DVI-D Terminal and HDMI Compatibility

A DVI-D terminal is provided, so digital signals can be received for maximum picture quality. This terminal can accept copy protection

(HDCP) signals. By using a connector conversion cable, HDMI input is possible via the DVI-D terminal.

Versatile Mode Selection

The DPX-530 offers a variety of modes that can be changed to achieve the best possible image quality. Gamma modes provided are Dynamic, Cinema 1, Cinema 2 and Default, which is used for normal use. Colour Temperature modes are High, Mid, Low and Custom. Aspect modes are Normal, Squeeze, Zoom, Through and Default, which automatically selects Normal or Squeeze depending on the input signal. All of these modes can be selected via menus on the on-screen display.

3:2 Pulldown Detection

The 3:2 pulldown processed movie input signal is detected, and the film's original 24 frame per second signal is reconstructed, achieving the best possible progressive image for watching movies.

Accepts φ67 Camera Filters

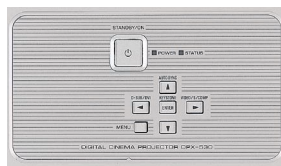
A filter that improves skin tones for portraits and other types of φ67 camera filters can be used without the need for special modifications.

Remote Control with Illuminated Buttons

The projector comes supplied with a remote control whose buttons glow for easy use in a dark room. It includes controls for adjusting picture quality.



Control Panel



Accessories

- PMT-H75: Optional installation brackets for high ceiling (Lens centre: 570-870 mm)
- PMT-L71: Optional installation brackets for low ceiling (Lens centre: 190 mm)
- PJL-625: Optional lamp cartridge



With the PMT-H75, the cable can be hidden inside the bracket.

* Service life will vary according to usage environment and usage conditions. • Digital Light Processing, DLP, Digital Micromirror Device and DMD are trademarks of Texas Instruments, Inc. • Product designs and specifications are subject to change without notice.