YAMAHA

DPX-1200

Digital Cinema Projector

NEW PRODUCT BULLETIN

Incorporating the Most Advanced Technology and Numerous Convenient Functions, This Projector Offers the Highest Performance in Its Class.

- Yamaha Natural Black Concept
- 5,000:1 Contrast Ratio
- Latest DMD 720P DarkChip3™ Device
- High Resolution Lens
- Motorized Iris Control for Higher Contrast
- Seven-Segment Color Wheel
- Faroudja TrueLife Enhancer
- Natural Color Adjustment System
- Lamp Power Selector
- Silent Operation
- HDMI Compatibility
- Motorized Vertical Lens Shift, Iris, Focus and Zoom Controls
- One-Line Menu with Graphical Menu Configuration

DPX-1200 Main Specifications

Projection System	Digital Light Processing (DLP)™ Technology
Device Type	Size: 0.8 inch DMD 720P DarkChip3™ x1
Pixel	1,280 x 720
Projection Lens	F=2.7 – 5.0, f=24.3 – 38.9 mm
Functions	Zoom (motorized): x 1.6; Focus (motorized); Lens shift (motorized): Vertical up/down 50%; Iris (motorized): 3 steps
Projection Ratio	1.355 – 2.168
Screen Size	60 – 200 inch (16:9)
Lamp	270 W SHP
Brightness	800 ANSI lumens (iris off)
Contrast Ratio	5,000:1 (iris on)
Color Format	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Control Interface	RS-232C: D-sub 9pin x 1
Trigger Out	DC jack x 1, DC12 V/max 200 mA
IR Control I/O Port	Input x 1, output (through) x 1
IR Sensors	2 positions (front and rear)
Power Consumption	375 W (standby: 0.1 W)
Dimensions (W x H x D)	495 x 192.6 x 465.4 mm; 19-1/2" x 7-9/16" x 18-5/16"
Weight	13.8 kg; 30.4 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 theater.

DPX-1200 Digital Cinema Projector

Yamaha Natural Black Concept

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 theater projectors.

Yamaha Natural Black makes subtle degrees of black in textures, shadows and so on stand out more clearly.

With other projectors, black contrast may be soft and fuzzy rather than sharp and clear.

Taking Projector Performance to a New Level

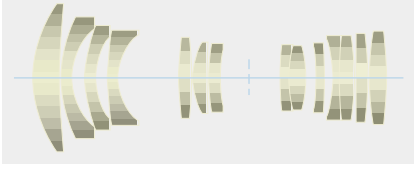
The DPX-1200 makes use of a wide range of new technologies to deliver extraordinary video performance. Contrast is an incredible 5,000:1, brightness is 800 ANSI lumens, picture sharpness is outstanding and color reproduction is stunningly natural.

Newest Light Engine: 720P DarkChip3™

This DLP chip is Texas Instruments newest and most advanced Digital Micro Mirror Device. As the name implies, it provides deeper blacks and improved contrast in dark areas.

High Resolution Lens

Yamaha has gone beyond the capabilities of other projectors with the use of a new high resolution lens that maintains resolution sensitivity to the edge of the lens. Four anomalous dispersion glass components, result in half the chromatic aberration while maintaining a short focal point and high zoom magnification.



The DPX-1200 incorporates a seven-segment color wheel, with an ND filter-equipped green segment, resulting in excellent color reproduction. The seven-segment structure reduces dither, while color reproduction is excellent, with greens being more true to life than ever (achieving the HD monitor “green” standard). Green resolution is 10-bit, which also improves the representation of black tones.

Faroudja TrueLife Enhancer

Picture clarity is excellent, with clean, sharp edges and details ensured by Faroudja’s TruLife Enhancer.

Natural Color Adjustment System

• Color Balance Control

There are three Color Balance modes. The first is the Standard mode and cannot be adjusted. The second is the RGB mode, which allows adjustment of the red, green and blue colors by specifying x and y values for each (yellow, cyan and magenta are derived from the three main colors). The third mode is RGBYCM, which allows each of the six colors to be directly specified by entering x and y coordinates. There are six memory presets for storing personal adjustments.

• Color Temperature Adjustment

The correlated color temperature can be adjusted in 500k increments between 5,000k and 10,000k, for achieving accurate color fidelity. A graph on the color temperature menu facilitates this operation. In order to maintain perfect color balance when the settings are changed, automatic color balance calculation/adjustment is provided.

• Convenient Memory Functions

There are six memory positions for storing different combinations of parameter settings, and each can be used for two input signals, making a total of 12 memory conditions. The user can store the same parameter combination for DVD and HDTV, for example. The DPX-1200 automatically adjusts when the source is changed, so the user does not have to select a different memory position.

Mounting Flexibility

Mounting the DPX-1200 is easy and versatile. Lens-to-screen distance can be anywhere from 9 ft. 10 in. to 15 ft. 9 in. (100” screen) thanks to the powerful 1.6x zoom lens. Motorized vertical lens shift is ±50% of projection height , so the projector can be used at any height between the top and bottom of the screen. Iris, zoom and focus adjustments are also motorized.

Lamp Power Selector

The multi-step Lamp Power Selector makes it possible to adjust for optimum brightness and contrast with different levels of room lighting and video sources. It can also be used to extend lamp life (at 80% brightness, lamp life goes from 2,000 to 2,500 hours).

Silent Operation

The DPX-1200 runs with the quiet efficiency customers expect from a high quality home theater projector. It uses effective DMD and power supply ducting, while minimizing cooling fan operation by continually adjusting it in accordance with picture brightness.

HDMI Compatibility

Most high-end projectors provide DVI connection, but the DPX-1200 goes further with an HDMI connection. HDMI can handle digital signals like DVI, but a variety of other information as well, such as component type, scan status and colorimetry, which can be adjusted.

One-Line Menu with Graphical Menu Configuration

The projector provides a one-line menu with a graphical menu configuration that makes operation simple.

Menus Put You in Total Control

On-screen menus present a wide range of parameters that you can select forinitial setup and later adjustment. You can be sure of achieving the best possible picture for all conditions.

Other Convenient Functions

- Full-Function Remote Control
- Smart Zoom for projecting 4:3 broadcasts onto a full 16:9 screen with no distortion in the middle
- Cinema Zoom with Zoom Up and Zoom Out for eliminating bars on the top and bottom of the 16:9 screen
- Selectable Video Scan (100% or 94%)
- Automatic Aspect Conversion
- Manual DIsplay Aspect Selection (8 modes)
- Still (freeze frame) Function
- Operation Status Lock
- Test Pattern Selection
- Message Display keeps you informed of operating status
- Four Warning Indicators (lamp, cover, temperature, fan)

In addition to the Input A and Input B (Component Video and RGB signal) terminals, the DPX-1200 rear panel offers an HDMI input terminal, composite video input terminals, D4 video input terminal, remote in/out terminal, and RS-232C and trigger out (12V/200mA) terminals.

Accessories

PMT-H35: Optional installation brackets for high ceiling

PMT-L31: Optional installation brackets for low ceiling

PJL-427: Optional lamp cartridge

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