

Incorporating the Most Advanced Technology and Numerous Convenient Functions, This Projector Delivers Extraordinary Video Performance, including 5,000:1 Contrast Ratio and 800 ANSI Lumen Brightness.



HDMI™
HQV™

1 Optical Features

- Yamaha Natural Black Concept
- Latest 720p DarkChip3™ DMD Device
- High-Resolution Lens (F=2.7 to 5.0)
- Seven-Segment Color Wheel
- Motorized Iris Control for Higher Contrast

2 Image Processing Technologies

- Full HD 10-Bit Processing
- HQV™ (Hollywood Quality Video) Technology from Silicon Optix
- High-Level De-Interlacing at HD Resolution (1080i to 1080p)
- High Precision Scaling Processing and Jaggy Line Reduction
- Yamaha Exclusive Overshoot Suppressor

3 Versatile Utilities

- HDMI and DVI Terminals for Versatile Interfacing
- Horizontal and Vertical Keystone Correction with Minimal Distortion in All Directions
- Silent Operation (Tri-Silent Duct System)
- Motorized Vertical Lens Shift (±50%)
- Natural Color Adjustment System

DPX-1300 Main Specifications

| | |
|------------------------|--|
| Projection System | Digital Light Processing (DLP)™ Technology |
| Device Type | Size: 0.8 inch 16:9 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 – 400 ANSI lumens (iris open – closed) |
| Contrast Ratio | 2,500 – 5,000:1 (iris open – closed) |
| 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) |
| Input Terminals | Input A (BNC jack; component video or RGB), Input B (D-sub), DVI, HDMI, composite video, S-Video, D4 video |
| Input Signals | 480i, 576i, 480p, 576p, 720p (50/60 Hz), (Component Video) 1080i (50/60 Hz) |
| Power Consumption | 395 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 | 14 kg; 30.9 lbs. |

d-cinema

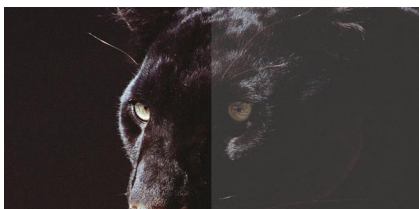
"d-cinema" is the slogan of Yamaha AV products and technology, reflecting our focus on digital technology and our leadership in creating and refining digital home theater.

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.

technologies include highly detailed scaling processing, jaggy line reduction for HD sources, and an Overshoot Suppressor for more natural outlines in images. To further improve DVD or SD TV picture quality, powerful Digital Video Noise Reduction minimizes mosquito noise and block noise.

720P DarkChip3™ Engine

This DLP chip is Texas Instruments' most advanced Digital Micro Mirror Device. As the name implies, it provides deeper blacks, while improving 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 are used to reduce chromatic aberration by half while maintaining a short focal point and high zoom magnification.

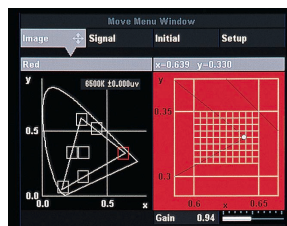
Seven-Segment Color Wheel

The DPX-1300 incorporates a seven-segment color wheel, with an ND filter-equipped green segment, resulting in excellent color reproduction.



Natural Color Adjustment System

The DPX-1300 features a color balance adjustment menu that enables higher precision adjustment with easier operation, with three color adjustment modes.



Convenient Memory Functions

For each set of input terminals, there are a total of six memory positions for storing different combinations of parameter settings, and each can be used for two different input signals, enabling up to 84 different memory setting patterns.

Mounting Flexibility

Mounting the DPX-1300 is easy and versatile. Lens-to-screen distance can be anywhere from 9 ft. 10 in. to 15 ft. 9 in. (3m to 5m, 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. In addition, vertical and horizontal keystone.

HDMI and DVI Terminals for Versatile Interfacing

In order to connect the DPX-1300 to any component which outputs a digital video signal, it is equipped with both HDMI and DVI terminals. This also enables it to handle a variety of other data as well, such as component type, aspect ratio and colorimetry, which can be adjusted.



Other Notable Features

- On-Screen Menus Put You In Control
- In-Line Menus for Image Adjustment while Viewing Image
- Lamp Power Selector
- Silent Operation (Tri Silent Duct System)
- Smart Zoom for projecting 4:3 broadcasts onto a full 16:9 screen with no distortion in the middle
- Selectable Video Scan (100% or 94%)
- Manual Display Aspect Selection (8 modes)
- Test Pattern Selection
- Four Warning Indicators (lamp, cover, temperature, fan)

New 10-Bit Video Signal Processing

Designed for discerning home theater fans, the DPX-1300 utilizes 10-bit video signal processing from A/D conversion all the way through to DMD output. In addition, the newest HQV technology from Silicon Optix Inc. has been adopted to enable programmable per-pixel processing. Plus, at high-definition TV resolution, high-level de-interlacing processing (1080i to 1080p) is performed is performed at the pixel level. Complex cadences are handled with ease, not only with 3:2 pulldown, but also with broadcast film and animation programming, for smooth, stable de-interlacing. Other remarkable



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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