FAROUDJA



DIGITAL CINEMA SERIES

FDP-DLPHD10

Home Theater Optimized Digital Projector

High performance home theater now has an elegant and simple solution. The FDP-DLPHD10 is a complete display system that starts with an internal Faroudja video processing stage where all sources are converted to very high quality signals that are sent to the display engine.

The display engine is a special design to improve critical black levels resulting in a contrast ratio of 1100:1. The 1280x720 DLP display chip provides sharp images for both video and HDTV on 16:9 aspect ratio screens.

A new six-segment color wheel, powered zoom and focus, quiet operation and sleek cabinet design complete the product. Faroudja engineering provides the final critical step by fine-tuning the settings to optimize the projector for home theater use.

The final image is full of stunning detail and color with excellent contrast ratio.

High performance home theater was never so elegant!



NRS-DCS Digital Video Processor
The Faroudja NRS-DCS option offers a dramatic step up in performance by applying an internal DVD drive and sending the upconverted high resolution signal straight to the projector via a digital DVI cable for maximum performance.

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Technical SPECIFICATIONS

OPTICAL

Projection system:	optical engine based on 1 DMD™ HD2 chip, sealed housing, dust proof
DMD panel:	resolution 1280x720 pixel
Brightness uniformity:	10% above or below the average
Contrast ratio:	> 1800:1 (full 0n / full off)
Projection lens:	zoom, 12 elements AR multilayer coating, motorized focus and zoom, manual elevation
Aperture f#:	2.7 (zoom max) - 3.3 (zoom min)
Picture size:	50-250 inches (diagonal measure)
Aspect ratio:	4/3 and 16/9
Throw ratio: (throw distance: picture width)	1.8:1 - 2.5:1
Focus range:	2.2 - 13.0 m (7' 3" - 42' 8")
Throw Distance:	60" : 2.4m - 3.3m (7' 11" - 10' 10") 80" : 3.2m - 4.4m (10' 6" - 14' 5") 100" : 4.0m - 5.5m (13' 2" - 18' 1")
Keystone adjustment:	up to 26° (optical: ± 8° digital: ±18°)
Lamp:	120 W UHP
Lamp life time:	6000 hours (average value measured in the laboratory under optimal conditions; lamp hours can be reduced if unit is misused)

ELECTRICAL

Input Signals:	CVBS on RCA/Phono type connector S-VHS on Mini-DIN connector RGBHV on DB15HD connector RGBS / YCrCb on RCA/Phono type connector DVI-D
Horizontal frequency:	from 15 to 80 kHz (up to to UXGA format @ 60 Hz)
Vertical frequency:	40-100 Hz
Video standards :	automatically selected (PAL B,G,H, I, M,N,60, SECAM, NTSC 3.58, 4.43)
High definition video:	ATSC HDTV (480p, 720p, 1080i)
Graphic standards :	VGA, SVGA, XGA, SXGA, UXGA
Deinterlacer:	Faroudja chip set, DCDi™, 3:2 pull down sequence conversion
Colour temperature:	adjustable from 5000 to 9300 degrees K. Separate memories for video and high resolution inputs - prealigned by Faroudja.
Video processor:	DTI, CTI, comb filter, noise reduction. Sharpness, Y/C delay and NTSC tint adjustments
Remote control:	via infrared remote control and via computer through RS232 serial interface
Remote inputs:	via Remote Inputs Interface (optional) and cable with EVC connector
Low Voltage Power Output:	two 12 Vdc output, 100 mA max on jack connectors

GENERAL

Supply:	from 100 to 240 Vac, -10% +6% tolerance
Frequency:	from 48 to 62 Hz
Consumption:	180 W max
Fuse:	T 3.15A H, 5 x 20 mm
Dimensions of projector:	352 mm x 174 mm x 318 mm (LxHxD) 13"-7/8 x 6"-7/8 x 12"-1/2 (LxHxD)
Weight of projector:	5.0 kg (11 lbs)
Packaging and gross weight:	400 mm x 275 mm x 405 mm (LxHxD) 1' 4" x 11" x 1' 4" (LxHxD) double reinforced carton; expandable anti-shock packaging; gross weight, including accessories: 8 kg (17.7 lbs); recyclable packaging material

ENVIRONMENTAL

Operation temperature:	0 to 35°C (32° to 95°F)
Transportation temp.:	-10 to 55°C (14° to 131°F)
Storage temperature:	-10 to 55°C (14° to 131°F)
Humidity:	10% to 90% relative humidity noncondensing
Safety:	EN 60950, UL 60950
Transportability:	desktop equipment
Electromagnetic compatibility:	EN 55022 Class B EN 55024 EN 61000-3-2 EN 61000-3-3
Transportation:	IEC 68-2-31, IEC 68-2-32

CELEBRATING 33 YEARS OF VIDEO EXCELLENCE

FAROUDJA PICTURE PLUS™

DCDi™ by FAROUDJA

Please visit our website at www.faroudja.com

750 Palomar Avenue • Sunnyvale • CA 94085 • Phone: (408)735-1492
Fax: (408)735-1571 • Email: sales@faroudja.com
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