

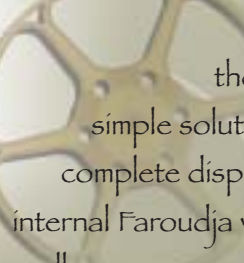
FAROUDJA



DIGITAL PROJECTOR PACKAGE

FDP-DLPHD20

Home Theater Optimized Digital Projector



High performance home theater now has an elegant and simple solution. The FDP-DLPHD20 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 2800:1. The 1280x720 DLP HD2+ 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!



For even greater image quality, the NRS-DVI or DVP1500 processor are available as a package so all sources are converted to progressive digital DVI signals and sent to the projector.



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Technical SPECIFICATIONS

OPTICAL

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|---------------------------------|--|
| 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: | > 2800:1 (full On / full off) |
| Projection lens: | zoom, 12 elements AR multilayer coating, motorized focus and zoom, manual 8% lens shift |
| 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: | 1.8:1 - 2.5:1 |
| (throw distance: picture width) | |
| 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: | 8000 hours (average value measured in the laboratory under optimal conditions; lamp hours can be reduced if unit is misused) |

ELECTRICAL

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|------------------------|---|
| 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. |

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| 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

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|-----------------------------|---|
| 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: | 12.8 lbs. (5.8 kg) |
| 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

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|--------------------------------|--|
| 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 |



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