

RD 50H

The Next Generation of HDTV

OptomaTV. With breakthrough DLP™ technology, OptomaTVs deliver unparalleled clarity, contrast, and color. Image quality is further enhanced with pure digital signal processing from source to screen, 720 progressive scan resolution, and native 16:9 widescreen format which eliminates image distortion.

- ◆ Next generation HD-2 Digital Light Processing™ technology by Texas Instruments
- ◆ HDTV-ready at native 16:9 format for 480p, 1080i and 720p signals
- ◆ Precision Pixel Matching technology for 1:1 scan conversion
- ◆ Multiple connectors (DVI, BNC RGB, composite, S-Video, RF, VGA, YPbPr)
- ◆ DVI-HDCP connector ensures compatibility with future digital devices
- ◆ Individual picture adjustment for each input source
- ◆ Nine display formats for flexible resizing and display
- ◆ Two-tuner Picture-in-Picture/Picture-on-Picture



Specifications

Screen

Non-reflective, fine-grade, 0.15 mm screen-pitch display

Maximum Resolution

1,280 x 720 for High-Definition TV (720p formatted media)

Contrast Ratio

1500:1 (typical)

Brightness

450 nits (typical)

Lamp Type

100-watt UHP

Lamp Life

8,000 hours

Accessory

Custom Pedestal

Video Compatibility

480i (SDTV), 480p (EDTV), 720p, 1080i,(HDTV)

Computer Compatibility

VGA, SVGA (800 x 600), XGA (1,024 x 768), 1,280 x 720, SXGA (1,280 x 1,024)

Image Processing Technology

- Precision Pixel Matching technology for 1:1 scan conversion
- Unique Color Gamma fine tuning can be manually adjusted
- DVDO 504 Progressive Processing for artifact-free scaling
- 3D Digital Comb Filter for sharp and noiseless video signals

Multimedia Audio

MTS Stereo / SAP (applied to NTSC only)
Two 15-watt speakers

Dimensions (W x H x D)

46.0 x 35.5 x 14.8 inches

Weight

90 pounds

Power Supply

AC input 90-260V; Input Frequency: 50-60Hz with PFC

Power Consumption

300 watts at normal operation
Standby mode < 35 watts

I/O

DVI-HDCP, BNC RGB, Composite, S-Video, RF, VGA, YPbPr

Limited Warranty

One-year limited parts and labor

Awards

Best Video Hardware Award, DisplayMate 2004
CES Innovations Award, 2003