

# 50MF231D

## 50" digital widescreen plasma TV

A smart way to enjoy an HDTV experience. The TV comes with a high definition plasma panel, the latest HDMI connection, component HD inputs and digital sound.

### Integrated HDTV tuner

- *High Definition plasma WXGA display, 1366 x 768p*
- *3D combfilter separates colors for a razor-sharp image*
- *Dolby Digital for movies or concerts in full surround sound*
- *HDMI digital AV connection for perfect quality*
- *Component Video Input for top quality playback and recording*
- *Smart picture and sound presets*



# 50MF231D/37

## 50" digital widescreen plasma TV



### Technical specifications

#### Picture/Display

Aspect ratio: 16:9  
Diagonal screen size: 50 inch / 127 cm  
Brightness: 1100 cd/m<sup>2</sup>  
Contrast ratio (typical): 10000:1  
Display screen type: WXGA Plasma panel  
Panel resolution: 1366 x 768p  
Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Progressive Scan  
Response time (typical): 3 ms  
Screen enhancement: Anti ageing circuit  
Viewing angle (H / V): 160 / 160 degree

#### Supported Display Resolution

Resolution	Refresh rate
Video formats	
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz

#### Sound

Sound System: Dolby Digital (AC-3)  
Output power (RMS): 2 x 15 W

#### Loudspeakers

Built-in speakers: 2

#### Tuner/Reception/Transmission

Aerial Input: 75 ohm F-type  
Tuner bands: Hyperband, S-Channel, UHF, VHF  
TV system: NTSC, ATSC  
Cable: Unscrambled Digital Cable -QAM  
Video Playback: NTSC

#### Connectivity

AV 1: Audio L/R in, CVBS in, YPbPr  
AV 2: Audio L/R in, CVBS out, YPbPr  
AV 3: Audio L/R in, CVBS in, S-Video in

Front / Side connections: S-video in, CVBS in, Audio L/R in, Headphone out  
Other connections: HDMI, S/PDIF out (coaxial)

#### Convenience

Ease of Installation: Autostore, PLL Digital Tuning, Plug & Play  
Ease of Use: Auto Volume Leveller (AVL), On Screen Display, Smart Picture Control, Smart Sound Control, Side Control  
Remote Control: TV  
Remote control type: RC1113125/01B  
Screen Format Adjustments: Auto Format, 7 Widescreen Modes, Subtitle Zoom, Subtitle and Heading Shift  
VESA Mount: 800 x 400 mm  
Clock: On main display  
Child Protection: Child Lock+Parental Control

#### Accessories

Included Accessories: Power cord, User Manual, Quick start guide, Registration card, Remote Control, Table top stand

#### Dimensions

Set dimensions in inch (W x H x D):  
55.6 x 30.6 x 4 inch  
Set dimensions with stand in inch (W x H x D):  
55.6 x 32.2 x 11 inch  
Product weight (lb): 112.4 lbs  
Product weight (+stand) (lb): 114.2 lb  
Weight incl. Packaging (lb): 136.8  
Box dimensions in inch (W x H x D):  
59.2 x 39.4 x 14.7 inch

#### Power

Mains power: AC 110 - 240 V, 50/60 Hz  
Power consumption: 480 W  
Standby power consumption: < 1 W (110V)  
Ambient temperature: 5 °C to 40 °C

#### Plasma WXGA panel, 1366 x 768p

This state-of-the-art plasma screen technology gives you widescreen HD resolution of up to 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures in with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

#### Integrated HDTV tuner

The built-in HDTV tuner that receives and displays terrestrial ATSC and unscrambled cable (64/256 QAM) signals.

#### 3D combfilter

A 3D combfilter is a device that performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information. It separates brightness and color signals better in the 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure.

#### Dolby Digital

Because Dolby Digital and DTS, the world's leading digital multi-channel audio standards, make use of the way the human ear naturally processes sound, you experience superb quality surround sound audio with realistic spatial cues.

#### HDMI

HDMI stands for High Definition Multimedia Interface. It is a direct digital connection that can carry digital HD video as well as digital multichannel audio. By eliminating the conversion to analog signals it delivers perfect picture and sound quality, completely free from noise.

#### Component Video Input (YPbPr)

Component Video is the highest quality interconnection standard for analog video. It is sharper than S-video and composite video. Philips DVD recorders can record directly from component video (such as YPbPr) sources including satellite receivers

#### Smart picture & Smart sound

Smart picture and Smart sound presets are optimized settings for all your favorite types of programs, various display and audio modes that are directly accessed through a single key on the remote control.