



Philips  
Professional LCD TV with  
Pixel Plus HD

42"

LCD HD Ready

42HF7845



## The ultimate interactive Hospitality TV

### Philips LCD TV and SmartCard Slot

This stylish, energy efficient Hospitality TV with integrated SmartCard slot is our best tamper proof interactive solution. Your guests enjoy a great viewing experience optionally enhanced with bathroom music and a tailored welcome message.

#### **Integrated system solution and future proof**

- Remote software upgrading
- Tamper proof SmartCard slot

#### **Great viewing experience and guest comfort**

- Pixel Plus HD for better details, depth and clarity
- Welcome message on screen display

#### **Best total cost of ownership**

- Wireless SmartLoader for fast cloning
- External loudspeaker connector and extra power supply
- Installation menu locking
- Wall mounting bracket

#### **Sustainable and safe**

- SmartPower for energy saving
- Eco-friendly design and flame-retardant housing

**PHILIPS**  
sense and simplicity

# Highlights

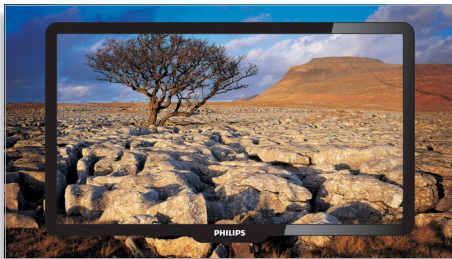
## Remote software upgrading

The TV software that controls hotel-specific features can be upgraded remotely through a certified system provider.

## Integrated SmartCard Slot

The integrated SmartCard slot allows third parties to add new functionality to the TV through application cards, without the need for additional boxes and external connections. The TV can also be connected to external decoders and set-top boxes of all major interactive system providers, through the SerialXpress Control Interface (supporting UART and RS232 protocols) and the SmartPlug Control interface.

## Pixel Plus HD



Pixel Plus HD is a picture processing technology that enables viewers to watch content that is vivid, natural and real. The result are superbly life-like pictures with

incredible details and depth from any HD source.

## Welcome message

A welcome greeting is displayed each time the TV set is switched on.

## Wireless SmartLoader

Provides the ability to copy all programming settings from one TV set to other TV sets easily and wirelessly in less than a minute. The feature ensures uniformity between TV sets and significantly reduces installation time and costs.

## External loudsp and power supply

The TV is equipped with an amplified audio connector for easy installation of external speakers (like for bathrooms), eliminating the need for investments in external equipment. The extra integrated power supply avoids the need for a separate power supply for an interactive system. In case of stand-alone use, the additional power supply can be switched off to save energy.

## Installation menu locking

Prevents unauthorised access to installation and configuration settings, to ensure maximum

guest convenience and avoid unnecessary reprogramming costs.

## Wall mounting bracket

Wall mounting bracket

## SmartPower

The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

## Eco-friendly design

Sustainability is integral to the way Philips does business. Philips TVs are designed and produced according to our EcoDesign principles aimed at minimising overall environmental impact, through lower power consumption, removal of hazardous substances, lower weight, more efficient packaging and better recyclability. Philips TVs also have a special housing of flame-retardant material. Independent tests carried out by emergency fire services have shown that whereas TVs can sometimes intensify fires caused by external sources, Philips TVs will not contribute to the fire.



# Specifications

## Picture/Display

- Diagonal screen size: 42 inch / 107 cm
- Aspect ratio: 16:9, Widescreen
- Display screen type: LCD WXGA Active Matrix TFT
- Panel resolution: 1366 x 768p
- Brightness: 500 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- Dynamic screen contrast: 5000:1
- Viewing Angle (H / V): 178 / 178 degree
- Response time (typical): 5 ms
- Picture enhancement: 3D Combfilter, 3/2 - 2/2 motion pull down, Active Control, Contrast Plus, Dynamic contrast enhancement, Digital Noise Reduction, Jagged Line Suppression, Progressive Scan, Colour Transient Improvement, Luminance Transient Improver, Pixel Plus HD
- Screen enhancement: Anti-Reflection coated screen

## Supported Display Resolution

### Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

### Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75 Hz
800 x 600	60, 72, 75 Hz
1024 x 768	60, 70, 75 Hz
1280 x 768	60 Hz
1366 x 768	60 Hz

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Number of Pre-set Channels: 125
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- Tuner Display: PLL
- TV system: PAL I, PAL B/G, PAL D/K, SECAM B/G, SECAM D/K, SECAM L/L'
- Video Playback: NTSC, PAL, SECAM

## Sound

- Sound System: Nicam Stereo, Stereo
- Output power (RMS): 2 x 10 W
- Sound Enhancement: Auto Volume Leveller, Incredible Surround

## Loudspeakers

- Built-in speakers: 2

## Connectivity

- Number of Scarts: 2
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, S-video in
- Ext 3: Audio L/R in, CVBS in, S-video in
- Ext 4: Audio L/R in, YPbPr
- Ext 5: HDMI
- Ext 6: HDMI
- Other connections: Antenna IEC75, Headphone

out, PC-In VGA

- Connectivity Enhancements: RJ12 connector, RJ45 connector, External Loudspeaker connector, HM-Link, Extra Power supply 12 V/1 W, SmartCard Xpress box ready, Fast Infrared loop through, Serial Xpress interface, SmartPlug Xpress Interface, Power on scart, SmartCard Expansion Slot

## Convenience

- Comfort: Hotel Guest features, Sleep timer, Switch on channel, Volume limitation, Welcome message
- Ease of Installation: Advanced Hotel Mode, Fine Tuning, Programme Name, Wireless Smart Loading, Keyboard lock-out, Security menu access
- Ease of Use: Auto Volume Leveller (AVL), Smart Picture, Smart Sound
- Screen Format Adjustments: 4:3, 7 Widescreen Modes
- Teletext: 1000-page Hypertext
- Teletext languages: Cyrillic, Eastern European, Western European
- Remote Control: battery anti-theft protection, low battery detection
- Remote control type: RC2886
- Firmware upgradeable: Remote upgrade hotel TV softw, Local upgrade total TV softw.
- Other convenience: Convertible to consumer TV, Kensington lock

## Power

- Mains power: 100 - 240 V, 50/60 Hz
- Power consumption: 240 W
- Active stand-by consumption: 20 W
- Passive stand-by consumption: 2 W
- SmartPower high mode: 122 W
- SmartPower medium mode: 160 W
- SmartPower low mode: 220 W
- Ambient temperature: 5°C to 40°C

## Dimensions

- Colour cabinet: Bicolour - Silver and high gloss Black
- Set dimensions (W x H x D): 1046 x 686 x 113 mm
- Set dimensions with stand (W x H x D): 1046 x 749 x 265 mm
- Box dimensions (W x H x D): 1152 x 788 x 313 mm
- Product weight: 26 kg
- Weight incl. Packaging: 31.4 kg
- VESA wall mount compatible: 600 x 400 mm

## Accessories

- Included Accessories: Warranty Leaflet, Power cord, Remote Control, Batteries for remote control, Wall mounting bracket
- Optional accessories: Set up Remote RC2573GR, Wireless SmartLoader 22AV1135, Tabletop Stand with Swivel

## Green Specifications

- Safety: Flame-retardant housing



Issue date 2009-08-28

Version: 4.0.4

12 NC: 8670 000 28847  
EAN: 87 12581 32865 8

© 2009 Koninklijke Philips Electronics N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips  
Electronics N.V. or their respective owners.

[www.philips.com](http://www.philips.com)