



Philips  
Professional LCD TV with  
Pixel Plus HD

42"

LCD Pixel Plus HD

42HF7845



## The ultimate interactive Hospitality TV

### Philips LCD TV & 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
- Integrated SmartCard Xpress Slot for interactive systems

#### Great viewing experience and guest comfort

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

#### Best total cost of ownership

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

#### Sustainable and safe

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

**PHILIPS**  
sense and simplicity

## 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, Color 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, 85Hz
	800 x 600	60, 72, 75, 85Hz
	1024 x 768	60, 70, 75, 85Hz
	1280 x 768	60Hz
	1366 x 768	60Hz

### Tuner/Reception/Transmission

- **Aerial Input:** 75 ohm coaxial (IEC75)
- **Number of Preset 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 12V/1W, 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, Program Name, Wireless Smart Loading, Keyboard lock-out, Security menu access
- **Ease of Use:** Auto Volume Leveller (AVL), Smart Picture Control, Smart Sound Control
- **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 - 240V, 50/60Hz
- **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

- **Color 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, Table top Stand with Swivel

### Green Specifications

- **Safety:** Flame retardant housing

## Product highlights

### Remote software upgrading

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

### Integr. SmartCard Xpress Slot

The integrated SmartCard Xpress Card 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 Serial Xpress Control Interface (supporting UART and RS232 protocols) and the SmartPlug Control interface.

### Pixel Plus HD

Pixel Plus is a digital picture processing technology that increases the number of lines and the number of pixels. The result is razor sharp pictures with incredible detail 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 easy and wireless all programming settings from one TV set into other TV sets in less than a minute. The feature ensures uniformity between TV sets and significantly reduces installation time and costs.

### External loudsp & 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 unauthorized 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 minimizing 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.



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