

Philips  
Professional LED TV

**19" HeartLine**

LED  
DVB-T2/T/C & IPTV

**19HFL4010W**



## A unique bedside TV

With incredible functionality for your patients

This unique Hospitality TV is the perfect solution to install near the patient's bed. Designed to complement healthcare environments, it avoids disturbance to other patients and maximizes comfort by creating a private viewing experience

### **Great viewing experience and patient comfort**

- LED TV for images with incredible contrast
- Low power consumption

### **Specifically designed for Healthcare environments**

- White aesthetics for the healthcare environment
- Illuminated front touchcontrol keys with proximity detection
- AntiMicrobial housing actively inhibits bacterial growth
- Galvanically isolated headphone connection
- Medical grade power supply ensures safety with low emission

### **Advanced healthcare features and future proof**

- SmartInstall for easy remote installation and maintenance
- SmartInfo for branded, interactive healthcare info pages
- Smart TV apps with many dedicated services for hospitality
- MyChoice compatibility for recurring revenues
- Serial Xpress Protocol for interactive systems



# PHILIPS

# Highlights

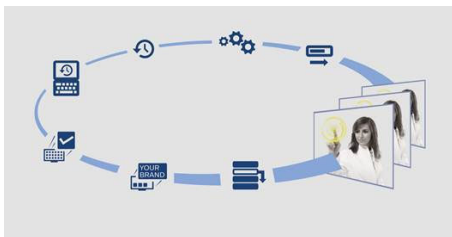
## LED TV

With LED backlight you can enjoy low power consumption and beautiful lines combined with high brightness, incredible contrast and vibrant colors.

## White aesthetics

White design with round corners for a more friendly appearance in healthcare environments.

## SmartInstall



SmartInstall makes installation and maintenance of your TVs effortless. With a simple to use web tool, you can now remotely configure and install your TVs without visiting any rooms! This saves you time and makes sure your guests are not disturbed. Whether it is updating the hotel info pages or installing new channels, SmartInstall can handle all.

## SmartInfo



SmartInfo allows you to easily provide hospital or healthcare information to your patients. Your patients have access to this interactive hospital webpage even when the TV is not connected to your intranet or internet. You can change the information regularly and easily keep your patients up to date with all the latest information.

## Front touch control

The innovative Bedside TV features a smart touch control panel on the bottom of the TV for a personalized user experience. The illuminated control keys provide easy navigation even in the dark. The flat cleanable surface and keypad lock make it easy to clean.

## Medical grade power supply

Basic safety, essential performance and reliability are essential requirements in a professional clinical environment. Unlike standard TVs, Philips HeartLine employ special medical grade power supplies in order to meet these requirements. It complies with EN/IEC 60601-1 standard ensuring basic safety and essential performance. Additionally it also complies with EN/IEC 60601-1-2 collateral standard for medical grade electromagnetic tests and compatibility. Many countries, hospitals and clinics mandate compliance to these standards as a requirement.

## headphone connection

The headphone connection is galvanically isolated to ensure the safest possible connection between the patient's headphone and the Philips HeartLine TV. Galvanic isolation is needed to ensure a fail-safe separation of the headphone connector from the electrical environment near the patient's bed.

## AntiMicrobial housing

Germs have become a growing problem in hospitals and clinical environments worldwide as they can cause life-threatening infections. Philips HeartLine TVs take care of this challenge by using JIS Z2801 compliant antimicrobial additive in its housing material making it an integral part of the display housing. Your well-being along with your patients is now assured by this protective shield that impedes the growth of most common microorganisms such as "Staphylococcus aureus (Gastroenteritis)", "Escherichia coli (E

Coli)" and "Klebsiella (Pneumonia)", for example.

## MyChoice compatible



MyChoice offers a simple and low-cost way to offer your guests premium TV channels. At the same time it delivers an additional revenue stream which allows you to recover your initial TV investment.

## Smart TV apps

Philips Smart TV apps consist of an ever growing choice of applications ranging from YouTube to social networking apps and many more. The dedicated version is tailored for hospitality use and has several added benefits, such as making sure guest information is securely deleted after use and avoiding that illegal content can harm your business.

## Serial Xpress Protocol (SXP)

The TV can be connected to external decoders and set-top boxes of all major interactive system providers, through the Serial Xpress Protocol (SXP).

## On-screen clock display

With our new on-screen clock display, guests can easily access the current time. At a push of a button the clock is being displayed on the TV screen combining enhanced visibility and lower power consumption.

## Low power consumption

Philips TVs are designed to minimize power consumption. This will not only reduce environmental impact but also lower operating costs.

# Specifications

## Picture/Display

- Display: LED HD TV
- Diagonal screen size: 19 inch / 47 cm
- Aspect ratio: 16:9
- Panel resolution: 1366 x 768p
- Brightness: 200 cd/m<sup>2</sup>
- Viewing angle: 170° (H) / 160° (V)
- Picture enhancement: 200Hz Perfect Motion Rate, Pixel Plus HD

## Audio

- Sound output Power: 5 (2x2.5) W
- Speakers: 2.0, Front Firing
- Bathroom speaker out: 1.5W Mono 8Ohm
- Sound Features: AVL, Incredible surround, Dynamic Bass, Dolby MS10

## Design

- Colour: White

## Tuner/Reception/Transmission

- Digital TV: DVB-T/T2/C
- Analog TV: PAL
- IP Playback: Multicast, Unicast

## Connectivity Rear

- Antenna: IEC-75
- HDMI1: HDMI 1.4
- Bathroom speaker out: Mini-Jack
- Ethernet (LAN): RJ-45
- External Control: RJ-48

## Connectivity Side

- HDMI2: HDMI 1.4
- USB1: USB 2.0
- Headphone out: Mini-Jack

## Connectivity Enhancements

- USB: 'Charging port only' mode
- HDMI: ARC (all ports)
- EasyLink (HDMI CEC): One touch play, System Standby, RC pass through, system audio control
- LAN: Wake up on LAN
- RJ48: IR-In/Out, Serial Xpress interface

## Features

- Digital services: 8d EPG, Now&Next, MHEG, Teletext, HbbTV
- Ease of use: Picture Style, Sound Style
- Local control: Capacitive Touch Control

## Hospitality Features

- Hotel mode: Menu lock, Installation Menu Lock,

- Volume limitation, Local Control Lock
- Prison mode: high security mode, TXT/MHEG/USB/EPG/Subtitle Lock
- SmartInfo: HTML5 Browser, Interactive Templates, Picture Slide Show
- CMND&Control: Off-Line Channel Editor, Off-Line Settings Editor, Real-time TV Status (IP), Remote Management over IP/RF, CMND&Create, TV Group management
- Your brand: SmartInfo, Welcome Logo, SmartTV Custom Background, Welcome Message, Customizable Dashboard (HTML), IPTV System
- Apps: AppControl, Cloud-based Apps
- Revenue generation: MyChoice
- Cloning and Firmware update: Instant Initial Cloning, Via USB/RF/IP
- Timer: Sleep Timer, Wake Up Alarm, Wake Up On Channel, Wake up Sounds
- Clock: Clock in Standby Mode, On-screen Clock, Optional External Clock
- Channels: Combined List
- Interactive DRM: VSecure, Playready Smoothstreaming
- Control: Block Automatic Channel Update, Serial Xpress Protocol, JSON API for TV Control-JAPIT
- Power control: Auto Power ON, Green/fast startup, WoLAN
- Switch On control: Channel, Feature, Picture Format, Volume
- Anti-Theft: Kensington Lock

## Healthcare features

- Control: Illuminated Touch Ctrl Buttons, Multi-Remote Control, Healthcare RC compatible, Nurse call system compatible
- Convenience: Headphone out, Proximity sensor, Cleaning Lock Function, Independent main speaker mute, TV Handle Bar
- Safety: IEC/EN60601-1, Flame retardant, Galvanic Isolat. Headphone out, Double isolation class II
- EMC: IEC/EN60601-1-2
- Hygienic: JISZ2801Anti-microbial housing, Smooth Backcover design

## Multimedia

- Multimedia connections: USB, LAN
- Video playback supported: Formats: H.264/MPEG4 AVC, MPEG1, MPEG2, MPEG4, WMV9/VC1, Containers: AVI, MKV, 3GP, ASF, M2TS, M4V, MP4, MPG, PS, Quicktime, TS, WMV
- Subtitle formats supported: SRT, ASS, SMI, SSA SUB, TXT
- Music formats supported: MP3, AAC, WAV, WMA

(v2 up to v9.2)

- Picture formats supported: BMP, JPG, PNG, GIF
- Supp. Video Resolution on USB: up to 1920x1080p@60Hz

## Accessories

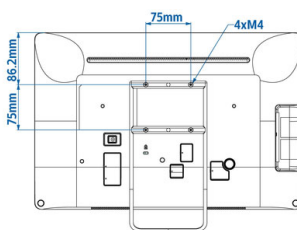
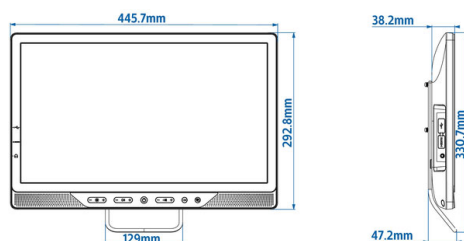
- Included: DC Power Adapter, Warranty Leaflet, Legal and Safety brochure
- Optional: Healthcare RC 22AV1109H/12, Setup RC 22AV9573A, External Clock 22AV1120C/00

## Power

- Input: 12V DC
- External power supply: 50-60Hz, AC 100-240V, XXL DC cable 3.5m, Medical cert. IEC/EN60601-1
- Energy Label Class: A+
- Eu Energy Label power: 13 W
- Annual energy consumption: 19 kWh
- Standby power consumption: <0.5W
- Power Saving Features: Eco mode
- Ambient temperature: 0 °C to 40 °C

## Dimensions

- Set dimensions (excl. handle): (W x H x D): 446 x 293 x 38 mm
- Product weight: 2,4 kg
- Wall mount compatible: M4, 75 x 75 mm
- Product weight (+handle): 2,6 kg



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Version: 3.1.1

12 NC: 8670 001 26332  
EAN: 87 18863 00423 4

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\* Remote Control not included. Optional remote control is required during installation of the TV. Some features can not be operated without optional remote control.

\* Availability of features will depend on implementation chosen by integrator.

\* Typical on-mode power consumption measured according to IEC62087 Ed 2. The actual energy consumption will depend on how the television is used.

\* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.