

Professional LED TV

- 19" HeartLine
- LED
- DVB-T2/T/C & IPTV

19HFL4010W/12

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

Benefits

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
- Medical grade power supply ensures safety with low emission
- Galvanically isolated headphone connection
- AntiMicrobial housing actively inhibits bacterial growth

Advanced healthcare features and future proof

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

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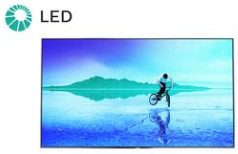
PHILIPS

Features

LED TV

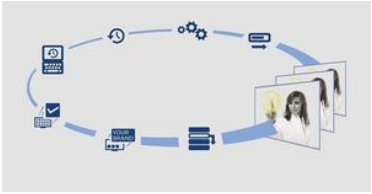


With LED backlight you can enjoy low power consumption and beautiful lines combined with high brightness, incredible contrast and vibrant colors.

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 desgined to minimize power consumption. This will not only reduce environmental impact but also lower operating costs.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

Display	LED HD TV
Diagonal screen size (metric)	47 cm
Diagonal screen size (inch)	19 inch
Aspect ratio	16:9
Panel resolution	1366 x 768p
Brightness	200 cd/m²
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 Firm-ware 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 connec-tions	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 kW h
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
VESA wall mount compatible	M4 75 x 75 mm
Product weight (+handle)	2,6 kg

* 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.

data subject to change
2019, February 2

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