

# AIR WAVE

DELIVERING YOUR VISION



Philips  
Professional LED TV

28" MediaSuite

LED  
DVB-T2/T/C MPEG 2/4

28HFL5009D

## Connect and control

with OXIGEN for future proof guest experience

With this energy efficient Hotel LED TV, you will enjoy all the benefits of state-of-the-art connectivity and interactive hotel info pages while being ensured that remote installation and management safeguards the lowest cost of ownership.

### Philips OXIGEN - unique connectivity & management

- Philips OXIGEN for latest connectivity and best total cost
- Smart TV apps with many dedicated services for hospitality
- AppControl to add, sort and delete apps with minimum effort
- SmartInfo for branded, interactive hotel info pages
- SmartInstall for easy remote installation and maintenance
- Miracast & Directshare to share movies and music on your TV

### Advanced hotel features and future proof

- Full HD LED TV—brilliant LED images with incredible contrast
- Integrated IPTV system for optimal customized interactivity
- Serial Xpress Protocol for interactive systems
- MyChoice compatibility for recurring revenues
- Integrated Wi-Fi to use Smart TV wirelessly
- Integrated Connectivity Panel
- On-screen clock display for optimal guest convenience

[www.airwave.tv](http://www.airwave.tv)

# PHILIPS

## Highlights

### 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.

### Integrated IPTV

Safe costs and clutter. With our new Smart TVs you can build your hotel system directly on the TV. Interactive channels, video-on-demand, interactive hotel menus and information as well as online ordering systems are all possible without an external box attached to the TV. Next to delivery of the content over coax TV cables, you can now also use your internet network to deliver your TV channels or VOD directly to the TV. Our partner network can make sure you get the customized portal you want.

### AppControl

App control allows you to give your guests the TV applications of their dreams. You are able to add, delete and sort all the apps in the way you want. Even better, you can now clone these settings to any other TV without having to setup the other TV as well! You can even make various profiles and change on the fly. Do you want to give your suites the high bandwidth video apps and your other rooms the low bandwidth apps? No problem. App

control makes sure you and your guest have a smooth experience.

### 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.

### Philips OXIGEN

Philips OXIGEN is a complete solution that provides you all you need in Hospitality TV. The innovative features are designed to give both guests and professionals the latest in connectivity while ensuring the lowest cost of ownership. OXIGEN connectivity offers access to cloud-based online apps and ensures that mobile devices can communicate with the TV while remote management tools as well as additional revenue opportunities optimize earnings throughout the product lifecycle.

### Miracast & DirectShare

Our TVs give your guests the freedom to enjoy their content on the big TV wirelessly and without hassle. With our open system approach we serve iOS as well as Android users and continuously extend our compatibility. Our secure sharing protects

your guests. Pictures, movies, music, all can be shared and enjoyed on our TVs via Miracast & DirectShare!

### SmartInfo

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

### 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. With our shared revenue you have the opportunity to earn back the cost of bandwidth used by your guests.

### Full HD LED TV

Picture Quality matters. Regular HDTVs deliver quality, but you expect more. Imagine crisp detail paired with high brightness, incredible contrast and realistic colors for a true to life picture.

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# Specifications

## Oxygen

- SmartInstall: off-line channel editing, off-line settings editing, remote installation, SmartInfo creation, software upgrade
- SmartInfo: Picture slide show or browser, interactive templates
- Smart TV apps: cloud-based apps for HotelTV
- Appcontrol: Multiple SmartTV App profiles
- Sharing: Secured Pairing, DirectShare DLNA Wi-Fi Direct, Wi-Fi Miracast

## Picture/Display

- Display: LED HD TV
- Diagonal screen size: 28 inch / 71 cm
- Aspect ratio: 16:9
- Panel resolution: 1366 x 768p
- Brightness: 300 cd/m<sup>2</sup>
- Viewing angle: 178° (H) / 178° (V)
- Picture enhancement: Digital Crystal Clear

## Supported Display Resolution

- Computer inputs: up to 1920x1080 @ 60Hz
- Video inputs: 24, 25, 30, 50, 60 Hz, up to 1920x1080p

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- Digital TV: DVB-T MPEG2/MPEG4, DVB-C MPEG2/MPEG4, DVB-T2, HbbTv (EU)
- TV system: PAL, SECAM
- Video Playback: PAL, SECAM, NTSC
- IP Playback: IGMP Multicast, Unicast

## Sound

- Sound System: Incredible Surround

## Connectivity

- Number of USBs: 1
- Number of HDMI connections: 2
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1
- EasyLink (HDMI-CEC): One touch play, System standby
- Other connections: Antenna IEC75, Headphone out, PC-in VGA + Audio L/R in, Bathroom speaker out, Common Interface Plus (CI+), Ethernet-LAN RJ-45, Digital audio out (optical)
- Connectivity Enhancements: Serial Xpress interface, WIXP / JAPIT TV Control, IR-out, RJ-48 connector, Fast Infrared loop through, Power on scart, External Power 12V/15W
- Wireless LAN: 802.11 b/g/n, Wi-Fi Direct
- Wake-up on LAN: Green standby in IP systems

## Convenience

- Ease of Installation: Plug & Play, Advanced Hotel Mode, Automatic Tuning System (ATS), PLL Digital Tuning, Automatic Channel Install(ACI), Program Name, Auto Program Naming, Autostore, Cloning of TV settings via USB, Cloning of TV settings via RF, Cloning of TV settings via IP, Installation menu locking, Security menu access
- Ease of Use: Auto Volume Leveller (AVL), 1

- channel list analog/digital, On Screen Display, Program List, Graphical User Interface
- Comfort: Hotel Guest features, Auto power on, Green/Fast startup, Welcome message, Switch on channel, Volume limitation, Sleep timer
- Interactive hotel features: Connectivity panel compatible, Block automatic channel update, Block over-the-air SW download, Vsecure, MyChoice
- Prison mode: Txt, MHEG, USB, EPG, Sub block
- Clock: On-screen clock display, Sleep Timer, Wake up Clock, External clock compatible
- Teletext: 1000 page Hypertext
- Electronic Program Guide: 8 day Electronic Program Guide, Now + Next EPG, IP EPG
- Screen Format Adjustments: Movie expand 16:9, Widescreen, Super Zoom, Auto Format
- Remote control type: 22AV1409A/12 (RC6)
- Remote Control: low battery detection, battery anti-theft protection
- Firmware & Settings upgradable: via USB, RF & IP
- Skype ready: With accessory camera
- Safety lock: Kensington lock

## Healthcare

- Control: Multi remote control, White RC Compatible
- Convenience: Headphone out, Independent main speaker mute
- Safety: Nurse call system compatible, Double isolation Class II

## Multimedia Applications

- Multimedia connections: USB, LAN
- Video Playback Formats: Codec support:, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, Containers: AVI, MKV
- Music Playback Formats: AAC, MP3, WMA (v2 up to v9.2), LPCM, M4A, MPEG1 L1/2
- Picture Playback Formats: JPEG, BMP, GIF, PNG

## Power

- Mains power: 220-240V; 50Hz
- Eu Energy Label power: 19 W
- Energy Label Class: A+
- Annual energy consumption: 28 kW h
- Standby power consumption: < 0.3W
- Ambient temperature: 5 °C to 35 °C
- Power Saving Features: Eco mode, Picture mute (for radio)

## Green Specifications

- Safety: Flame retardant housing
- Low Power Standby
- SmartPower Eco

## Dimensions

- Set dimensions (W x H x D): 635.1 x 396.7 x 80.8 mm
- Set dimensions with stand (W x H x D): 635.1 x 438 x 190 mm
- Product weight: 4.57 kg
- Product weight (+stand): 5.14 kg
- VESA wall mount compatible: 100 x 100 mm

## Accessories

- Included accessories: Remote Control, Batteries for remote control, Power cord, Table top stand, Warranty Leaflet
- Optional accessories: Set up remote 22AV8573/00, Ext. Clock Module 22AV1120C, Healthcare RC 22AV1109H, USB Skype Camera PTA317/00



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\* Energy consumption in kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. 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.  
\* Typical on-mode power consumption measured according to IEC62087 Ed 2.  
\* Availability of features will depend on implementation chosen by integrator.