



Philips
LCD TV

42"

Full HD 1080p

42TA648BX



Brilliant design, powerful performance.

Panache and performance meet in one stylish experience. Combining a full HD 1080p display and fantastic invisible sound, this Flat TV ensures brilliant design and powerful performance for years to come.

See vivid and razor sharp pictures

- Full HD LCD display, with a 1920x1080p resolution

Hear pure and powerful sound

- Invisible speakers with incredible surround
- 25 watt with BBE for powerful sound and great voice clarity
- Dolby Digital output for connection to a home theatre system

Easy to connect and enjoy

- Enjoy photo and music playback via USB
- 4 HDMI inputs for full digital HD connection in one cable
- EasyLink: easy control of TV & connected device via HDMI CEC
- Settings assistant for effortless personalized TV settings

Ready for digital

- ATSC & QAM tuner receives over the air and unscrambled cable

PHILIPS
sense and simplicity

Highlights

Full HD LCD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive

scan pictures with superb brightness and colors.

Invisible speakers

An invisible sound system that blends perfectly with the design of the cabinet. The Incredible Surround allows you to experience total surround with greater depth and width of sound. It gives a clear and spacious sound stage complementary to the rich viewing experience.

EasyLink

EasyLink uses the HDMI CEC industry standard protocol to share functionality between connected devices and the TV. With EasyLink only one remote control is needed to operate main functionalities on your TV and connected devices. EasyLink uses the standard HDMI cable to transfer system commands. It works between all electronic devices equipped with HDMI CEC.



Specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 29000:1
- Response time (typical): 5 ms
- Viewing angle: 178° (H) / 178° (V)
- Diagonal screen size: 42 inch / 107 cm
- Visible screen diagonal (inch): 42.02 inch
- Panel resolution: 1920x1080p
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Dynamic contrast enhancement, Progressive scan

Supported Display Resolution

Computer formats

| Resolution | Refresh rate |
|--------------|--------------|
| 640 x 480 | 60Hz |
| 800 x 600 | 60Hz |
| 1024 x 768 | 60Hz |
| 1280 x 768 | 60Hz |
| 1280 x 1024 | 60Hz |
| 1360 x 768 | 60Hz |
| 1920 x 1080i | 60Hz |
| 1920 x 1080p | 60Hz |

Video formats

| Resolution | Refresh rate |
|------------|--------------|
| 480i | 60Hz |
| 480p | 60Hz |
| 720p | 60Hz |
| 1080i | 60Hz |
| 1080p | 60Hz |

Sound

- Equalizer: 5-bands
- Output power (RMS): 25W
- Sound Enhancement: Incredible Surround
- Sound System: Dolby Digital (AC-3), BBE

Loudspeakers

- Built-in speakers: 4

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: On main display, Sleep Timer
- Ease of Installation: Autostore
- Ease of Use: 4 favorite lists, Auto Volume Leveller (AVL), Channel list, Settings assistant Wizard, Side Control

- Remote Control: TV
- Screen Format Adjustments: 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)

Multimedia Applications

- Multimedia connections: USB memory class device
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures

Tuner/Reception/Transmission

- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Cable: Unscrambled Digital Cable -QAM
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

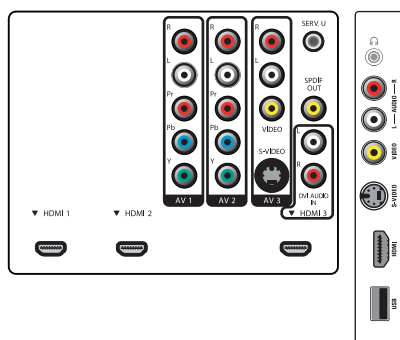
- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr
- AV 3: CVBS in, S-Video in
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- HDMI 3: Analog audio L/R in, HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, Power status, System info (menu language), System standby
- Front / Side connections: HDMI, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- Audio Output - Digital: Coaxial (cinch)

Power

- Ambient temperature: 5 °C to 40 °C
- Mains power: 110-240V, 50-60Hz
- Power consumption: 260 W
- Standby power consumption: < 1 W

Dimensions

- Set dimensions in inch (W x H x D): 41.19 x 25.39 x 3.48 inch
- Set dimensions with stand in inch (W x H x D): 41.19 x 28.19 x 10.31 inch
- Weight incl. Packaging (lb): 64.0
- Product weight (lb): 51.8 (with stand), 42.3 (without stand)
- Box dimensions in inch (W x H x D): 45.31 x 31.22 x 13.11 inch
- VESA wall mount compatible: 400 x 400 mm



Issue date 2011-01-12

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Accessories

- Included accessories: Tabletop swivel stand, Power cord, Quick start guide, User Manual, Registration card, Remote Control