Google Cast™ TV

Cast your favorite entertainment from mobile to TV

Google Cast™ is a technology that lets you cast your favorite entertainment from your mobile to your TV. Easily control your TV with apps you already know and love from your iPhone®, iPad®, Android™ phone or tablet, Mac® or Windows® PC.

Enjoy the beauty of 4K Ultra HD
• 120 Perfect Motion Rate for increased pixel response times
• Pixel Plus UltraHD for vivid, natural, and real pictures
• Stunning Brightness
• Expanding the possibilities of visual perception
• Exceptional Contrast

Authentic and clear sound experience.
• 20 Watts RMS of rich surround sound to complement 4K images
• Immersive sound with clear voice designed by sonic emotion
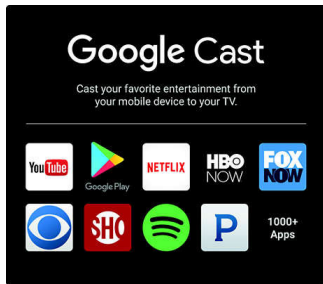• Dolby Audio for the ultimate movie experience

Complete digital TV connectivity made simple.
• HDMI 2.0 with HDCP 2.2 for 4K on all HDMI ports
• Cast your favorite entertainment from a mobile device to TV
• Wireless LAN 802.11ac with MIMO for seamless streaming of 4K
• Play HEVC, H.264, AAC, MP3, JPEG and more formats on USB

PHILIPS

Highlights

Google Cast™

Google Cast™ is a technology that lets you cast your favorite entertainment from your phone, tablet or laptop right to your TV. Easily control your TV with apps you already know and love from your iPhone®, iPad®, Android™ phone or tablet, Mac® or Windows® laptop, or Chromebook

High Dynamic Range

High Dynamic Range is a technology lets you experience more detail and captivating colors for an even more engaging television experience. More perceivable shades of blacks, whites and all other colors. This boils down to greater perceived brightness and contrast with darker shadows creating a breathtaking image.

Bright Pro

BrightPro backlith boosts brighter areas of the image by up to twice as much as a regular LED backlight. Bright Pro enables to display exceptional brightness and contrast even in brightly lit rooms. Video scenes which feature bright light sources such as sunlight, fireworks, police lights, flashlights, etc. look more realistic and lifelike.

Micro Dimming

Micro Dimming televisions have an LED array backlight with multiple zones whch can be controlled independently to set varying luminosity levels based on the input images' luminosity levels in those respective zones.

Pixel Plus Ultra HD

Experience Ultra-HD sharpness from Philips. Now you can enjoy your favorite action films and sporting events in stunning 4K Ultra HD resolution. And whether you stream online or watch a DVD, Philips' Pixel Plus Ultra-HD Engine delivers sharper images with brighter whites and blacker blacks.

120 Perfect Motion Rate

120 Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action movies. The new Philips PMR standard reduces response time of the HDTV to produce faster picture transitions and reduces motion artifacts.

Sonic Emotion Premium

Immersive sound with clear voice designed by sonic emotion. Absolute3D sound fills your surroundings with the right ambience, clarifies voice, and details the sound stage, making your experience more immersive and enjoyable.

Specifications

Picture/Display
- Aspect ratio: Widescreen(16:9)
- Contrast ratio (typical): 1200:1
- Response time (typical): 9 ms
- Diagonal screen size (inch): 55 inch
- Diagonal screen size (metric): 139.7 cm
- Panel resolution: 3840x2160p
- Picture enhancement: Black stretch, Digital Noise Reduction, MPEG artifact reduction, Pixel Plus UltraHD, 120 PMR, Color Enhancement, Dynamic contrast enhancement, Light sensor, Micro Dimming
- Brightness: 540 cd/m²
- Visible screen diagonal (inch): 54.6 inch
- Display screen type: LED UltraHD Display
- Viewing angle: 178° (H) / 178° (V)

Supported Display Resolution
- Computer formats: 640 x 480, 60Hz, 720 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 1280 x 1024, 60Hz, 1360 x 768, 60Hz, 1440 x 900, 60 Hz, 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 1400 x 1050, 60Hz, 3840 x 2160, 60Hz, 4096 x 2160, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 60Hz, 1080i, 60Hz, 1080p, 24,30,60Hz, 2160p, 24, 30, 60Hz

Sound
- Equalizer: 5-bands
- Sound System: Sonic Emotion Premium, Stereo, SAP, Dolby Audio

Loudspeakers
- Built-in speakers: 2

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Use: Auto Volume Leveller (AVL), AutoPicture, AutoSound, Settings assistant Wizard
- 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), Full

- Ease of Installation: Autostore
- Multimedia: auto slideshow, USB media browser

Multimedia Applications
- Multimedia connections: USB memory class device
- Playback Formats: MP3, JPEG Still pictures, MPEG1, MPEG2, H.264/MPEG-4 AVC, MPEG 4 SP/ASP, H.265/HEVC

Tuner/Reception/Transmission
- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Tuner bands: UHF, VHF

Connectivity
- Other connections: Ethernet, Headphone out, PC-In VGA, Wireless LAN(Built in)
- EasyLink (HDMI-CEC): One touch play, Power status, System info (menu language), Remote control pass-through, System audio control, System standby
- Audio Output - Digital: Optical (TOSLINK)
- AV 1: Shared audio L/R in, CVBS/YPbPr
- USB: USB
- HDMI 1: Shared audio L/R in, HDMI (Audio Return Channel)
- HDMI 2: HDMI, Shared audio L/R in
- HDMI 3: HDMI, Shared audio L/R in
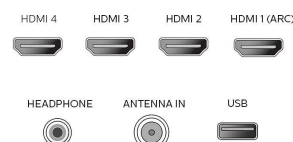- HDMI 4: HDMI, Shared audio L/R in

Power
- Mains power: 120V/60Hz
- Power consumption: 155 W
- Standby power consumption: < 0.5W
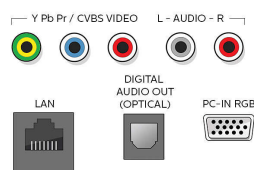- Ambient temperature: 5°C to 40°C (41°F to 104°F)

Dimensions
- Product weight (lb): 33.52 lb
- Box height (inch): 32.8 inch
- Box width (inch): 58.3 inch
- Box depth (inch): 5.8 inch
- Wall mount compatible: 400 x 200 mm
- Set Width (inch): 48.8 inch
- Set Height (inch): 28.8 inch
- Set Depth (inch): 2.5 inch

- Set width (with stand) (inch): 48.8 inch
- Set depth (with stand) (inch): 9.7 inch
- Set height (with stand) (inch): 30.4 inch
- Product weight (+stand) (lb): 31.97 lb
- Weight incl. Packaging (lb): 44.10

Accessories
- Included accessories: Table top stand, Quick start guide, User Manual, Remote Control, Batteries for remote control, Screws
- Power cord: 59.05 inch

Network Services
- Network Features: Google Cast

Connections

Bottom Rear

HDMI 4   HDMI 3   HDMI 2   HDMI 1 (ARC)

HEADPHONE   ANTENNA IN   USB

Side

Y Pb Pr / CVBS VIDEO   L – AUDIO – R

LAN   DIGITAL AUDIO OUT (OPTICAL)   PC-IN RGB