The ultimate viewing experience

in a sophisticated and daring design

The ultimate viewing experience of Ambilight and Pixel Plus 2 pushes Picture Quality to new levels. The unprecedented viewing comfort of Ambilight, LCD technology and invisible flat NXT speakers culminate in a daring and innovative design.

Impressive sound
• Virtual Dolby Surround for a cinema-like audio experience

Advanced connection to your audio/video products
• HDMI input for full digital HD connection in one cable

Real beauty lies in the detail(s)
• 2 integrated NXT Monolith speakers with amazing performance

Be an eyewitness
• Pixel Plus 2 for better details, depth and clarity
• 3D combfilter separates colors for a razor-sharp image
• Active Control with Light Sensor optimizes picture quality

Add a new dimension to your viewing
• Full-color ambient lighting enhances the viewing experience
• Digital Natural Motion for smooth moving images

PHILIPS

Highlights

Pixel Plus 2

Pixel Plus 2 is a digital picture processing technology that improves the resolution of still and moving pictures. It does more than adding pixels, it also makes the pixels better, resulting incredible sharpness and picture depth every time and from any source. And it does not just improve the resolution either, because you also benefit from improved color reproduction, resulting in the finest color details and superior brilliance.

3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Active Control + Light Sensor

Active Control is a unique and intelligent way of optimizing picture quality by measuring and analyzing the incoming signal to automatically adjust picture quality settings. Active Control with Light Sensor uses a sensor to adjust the picture brightness depending on the room light conditions.

Flat NXT Monolith Speakers

The ground-breaking NXT surface sound principle has been further developed into the monolith speaker technology It actually uses the outer surface of the TV cabinet as the speaker membrane. The speakers are now virtually invisible, bringing a stunning design, and a pure and direct sound radiation.

Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

Ambilight

The full-color ambient lights offers you relaxed viewing and a unique ambiance via a soft light glow on the walls surrounding the TV. Research has shown that watching television with adapted ambient lighting promotes more relaxed TV viewing. the Ambilight colors automatically adapt to the images on the screen to add a new sensation to the viewing experience. The light can also be switched to fixed colors or various shades of white. In standby mode, the lights can be operated to any color and create a unique ambiance in the room.

Digital Natural Motion

Philips invented Digital Natural Motion to eliminate juddering effects that are visible with moving picture content. Digital Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

Specifications

Picture/Display
- Aspect ratio: 16:9, 16:9
- Contrast ratio (typical): 500:1
- Response time (typical): 12 ms
- Viewing angle (horizontal): 176 degree
- Viewing angle (vertical): 176 degree
- Diagonal screen size (inch): 42 inch
- Diagonal screen size (metric): 107 cm
- Panel resolution: 1366 x 768p, 1366 x 768p
- Picture enhancement: Pixel Plus 2, Movie Plus, Digital Crystal Clear, Progressive scan, Active Control + Light sensor, Digital Natural Motion, Jagged Line Suppression, Movie Plus, Widescreen Plus, 3D Combfilter, Pixel Plus 2, Digital Crystal Clear, Digital Natural Motion, 3D Combfilter, Active Control + Light sensor, Jagged Line Suppression, Progressive scan, Widescreen Plus
- Brightness: 400 cd/m²
- Color cabinet: Pearl - White Silver (11092)
- Display screen type: LCD WXGA Active Matrix TFT, LCD WXGA Active Matrix TFT
- Screen enhancement: Anti-Reflection coated screen, Anti-Reflection coated screen

Supported Display Resolution
- Computer formats: 640 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 640 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz
- Video Formats: 640 x 480i - 1Fh, 640 x 480p - 2Fh, 720 x 576i - 1Fh, 720 x 576p - 2Fh, 1280 x 720p - 3Fh, 1920 x 1080i - 2Fh, 1280 x 720p - 3Fh, 1920 x 1080i - 2Fh, 640 x 480i - 1Fh, 640 x 480p - 2Fh, 720 x 576i - 1Fh, 720 x 576p - 2Fh

Sound
- Output power (RMS): 3x15W
- Sound System: Virtual Dolby Surround, Virtual Dolby Surround
- Sound Enhancement: Auto Volume Leveler, Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser, Smart Sound, Digital Signal Processing, Graphic Equaliser, Dynamic Bass Enhancement, Smart Sound

Loudspeakers
- Built-in speakers: 5

Convenience
- Child Protection: Child Lock+Parental Control, Child Lock+Parental Control
- Clock: Smart Clock, Smart Clock
- Ease of Use: 9-channel smart surf list, Backlighted Top Controls, Channel list, Controls with Proximity sensor, On Screen Display, 9-channel smart surf list, Backlighted Top Controls, Channel list, Controls with Proximity sensor, On Screen Display
- Remote Control: Universal, Universal
- Screen Format Adjustments: 6 Widescreen Modes, Auto Format, Subtitle and Heading Shift, 6 Widescreen Modes, Auto Format, Subtitle and Heading Shift
- Ease of Installation: Automatic Tuning System (ATS), PLL Digital Tuning, Plug & Play, Automatic Tuning System (ATS), PLL Digital Tuning, Plug & Play
- Remote control type: RC4307
- Teletext: Closed Captioning Full Text, Closed Captioning Full Text
- Picture in Picture: Full dual screen (2 tuners), Mozaic, Full dual screen (2 tuners), Mozaic

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

Connectivity
- Other connections: Analog audio Left/Right out, Centre Speaker connection in, Monitor out, CVBS, L/R (cinch), Subwoofer out, Analog audio Left/Right out, Centre Speaker connection in, Monitor out, CVBS, L/R (cinch), Subwoofer out
- AV 1: (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, Y/C, YPbPr, (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, YPbPr, Y/C
- AV 2: (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, CVBS, RGB+H/V, (1, 2, 3Fh autoranging), Y/C, YPbPr, Audio L/R in, Component Video in, CVBS, RGB+H/V, YPbPr, Y/C
- AV 3: Audio L/R in, HDCP, HDMI (Digital Stream & S/PDIF), Audio L/R in, HDCP, HDMI (Digital Stream & S/PDIF)

Power
- Mains power: AC 110-120V (+/-10%)
- Power consumption: 292 W
- Standby power consumption: 1.3 W
- Ambient temperature: 5 °C to 40 °C, 5 °C to 40 °C

Dimensions
- Weight incl. Packaging: 47 kg
- Product weight: 35 kg

Accessories
- Included accessories: HDMI-DVI adapter cable, Wall mounting bracket, Table top stand, Table top stand, Wall mounting bracket, HDMI-DVI adapter cable

Ambilight
- Ambilight Features: Auto adaptive to video content, Full operation in stand-by, Auto adaptive to video content, Full operation in stand-by
- Color Settings: Full Multi Color, Full Multi Color
- Dimming Function: Manual and via Light Sensor, Manual and via Light Sensor
- Preset modes: 2 Active Adaptive preset modes, 6 Preset modes and user preset, 6 Preset modes and user preset, 2 Active Adaptive preset modes

Specifications

www.philips.com