

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.

See it as an Eyewitness

- Unsurpassed Pixel Plus 2 Technology for more natural, vivid and detailed pictures
- 3D combfilter for PAL & NTSC ensuring perfect colour separation in the finest detail
- Full active control with light sensor adjusts best possible picture settings

Add a new dimension to your viewing

- Adjustable Ambilight for a relaxing sensorial experience
- State of the art Digital Natural Motion for smooth yet sharp movement
- Latest High Definition LCD WXGA display technology, resolution: 1366 x 768p

Real beauty lies in the detail

- The soft glow of the ambient light makes the design stand out in a subtle way
- Stunning and daring design with sophisticated materials
- 2 design integrated, invisible flat NXT speakers that will amaze you
- Proximity sensor for a Magic Tech experience

Immerse yourself

- Virtual Dolby Surround that enhances your sound experience
- Integrated subwoofer with wOOx technology

Advanced connectivity

- The most modern and highest quality HDMI connectivity



Technical specifications

Picture

- Screen Size: 42" (107 cm)
- Visible Screen Size: 107 cm
- Aspect ratio :Widescreen 16:9
- Display : LCD Active Matrix TFT
- Response time LCD : <12ms
- Resolution :WXGA - 1366 x 768p
- Brightness : 400 cd/m2
- Contrast Ratio : 500:1
- Viewing Angles 176H/176V
- Anti Reflex Coated Screen
- Pixel Plus 2
- Movie Plus
- Progressive Scan
- Digital Natural Motion
- Jagged Line Suppression
- 3D Comb Filter for PAL & NTSC
- Digital Crystal Clear
- Active Control + Light Sensor
- Widescreen Plus

Ambilight

- Auto adaptive to video content
- Full multi colour range
- Dimming : manual or via Light Sensor
- Preset Modes :
 - 6 presets of which 2 active adaptive
 - 1 user definable preset
- Full operation in Stand by
- Efficient low energy lamps

Sound

- Sound Power: 3x15 W RMS
- Virtual Dolby Surround
- NXT Monolith Speakers (L/R)
- Integrated subwoofer with wOOx
- Digital Signal Processing
- TV as Center Speaker Mode

Ease of Use

- Plug & Play
- 100 preset channels
- Auto Tuning & Channel Installation ATS
- Compass Graphical User Interface
- Backlit Top Controls with Proximity Sensor
- RC4302 for Philips VCR/DVD/DVD-R/SAT (rc5 and rc6) AMP/TUNER/CD/CD-R
- 6 Widescreen modes
- Subtitle and Heading Shift
- Auto Format / Auto Screen Fit (incl. WSSB)
- Full DualScreen with 2 tuners
- Picture Freeze / Replay / Mosaic
- Direct Program List
- 6 Smart Picture Settings
- 4 Smart Sound Settings
- Smart Clock / On & Sleep Timer (240mn)
- Smart Lock (Child lock + Parental Control)

Connections

- Side Connectors:
 - S-Video Y/C in
 - Video CVBS in (cinch)
 - Audio L/R in (cinch)
 - Headphones out (3,5mm jack)
- AV 1: Component Video in YpPr (1, 2, 3Fh), Y/C and CVBS in, Audio L/R (cinch)
- AV 2: Component Video in YpbPr or RGB/HV (1, 2, 3Fh auto ranging), Y/C and CVBS in, Audio L/R (cinch)
- AV 3: HDMI (Digital Stream, SP DIF, DVI compatible), Audio L/R in (cinch)
- Monitor out CVBS (cinch), Audio L/R (cinch)
- Audio out L/R (cinch)
- Centre Channel in (cinch) for connection to a Home Cinema system
- Subwoofer out (cinch)

Information

- 1200 page Hypertext with Habit Watch
- Program information Line

Reception

- Tuning system: PLL Digital Tuning
- Tuner: VHF, UHF, S-Channel, Hyperband
- Aerial Input: 75 Ohm Coaxial (IEC75)
- TV System : PAL/NTSC
- Video playback : PAL / NTSC

Supported Display Resolutions

Standard	Resolution	Refresh rate
VGA	640 x 480	60Hz
SVGA	800 x 600	60Hz
XGA	1024 x 768	60Hz
WXGA	1280 x 768	60Hz

Videoformats

640 x 480i@60Hz	- 1Fh
640 x 480p@60Hz	- 2Fh
720 x 576i@50Hz	- 1Fh
720 x 576p@50Hz	- 2Fh
1280 x 720p@60Hz	- 3Fh
1920 x 1080i@50 & 60Hz	- 2Fh
1920 x 1152i@50Hz	- 2Fh

Miscellaneous

- Ambient temperature +5 --+ 40°C
- Mains: AC220 - 240 V +/-10 %
- Power consumption: normal operation 240W
- Stand by <2W (tbc)
- Set Weight: ± 35kg
- Weight Incl. Packaging: ± 47kg
- Set Dimension (WxHxD): 1238x755x96mm
- Box Dimension (VxHxD): 1300x930x325mm
- Wall Mounting Brackets included
- Designer Table Top Stand (Optional)
- Designer Floor Stand (Optional)

Product highlights

Flat, Slim, Wide

True Flat Multimedia TV which can be mounted on the wall like a painting.

LCD Active Matrix TFT Panel

This new generation TFT panel technology offers superior picture quality with higher contrast levels, more brightness & colour, a faster response time and a wide viewing angle. This vibrant and sharp image will offer you the utmost viewing experience.

Pixel Plus 2

Pixel Plus is a digital picture processing feature which improves the resolution of still and moving pictures. Pixel Plus 2 technology does more than adding pixels, it also makes the pixels better, resulting in the ultimate sharpness and incredible picture depth every time from every source. It does not only improve the resolution but also the colour reproduction, resulting in the finest colour details and superior brilliance.

Ambilight

The full colour Ambilight offers you relaxed viewing and a unique ambiance via a soft glow of light on the wall surrounding the TV. Research has proven that watching television with adapted ambient lighting will improve and relax TV viewing. The automatic adaptation of the Ambilight colours with the images on the screen will maximise the viewing experience. The light can also be switched to fixed colours and different shades of white. In standby mode the lights can be operated to any colour 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 movie material (DVD). Smooth motion reproduction and excellent sharpness are the result.

Full Active Control

Active Control automatically analyses, 50 times per second, the incoming signal and adjusts the key picture settings on Sharpness, Digital Noise Reduction, Color and Contrast. The ambient light sensor adjusts the settings according to the viewing conditions in the room. Active Control thus offers the best possible picture settings any time, any source.

Virtual Dolby Surround

Dolby processing circuitry for an enhanced cinema surround sound effect without the need for rear speakers.

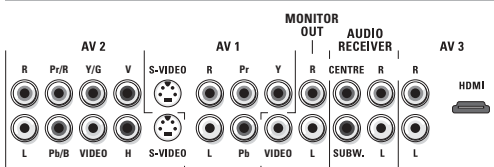
Invisible flat NXT SurfaceSound speakers

The ground breaking NXT SurfaceSound principle has been further developed into the monolith speakertechology. Whereby the outer surface of the TV cabinet is the actual speaker membrane. The speakers are now virtually invisible, bringing a stunning design, and a pure and direct sound radiation.

Full Dual Screen

The ability to watch simultaneously two different channels, either two programs or any combination with Teletext and/or NextView. Includes Picture In Picture (3 sizes, free positioning), 3PIP Mosaic, 8PIP Mosaic.

connectors



side/bottom connectors



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Specifications are subject to change without notice

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Predecessor : —

Chassis : EMG Top

Introduction : Year 2004