



15" LCD Monitor/TV

- 15-inch XGA LCD all-in-one Monitor/TV with excellent display performance
- Multiple video input allowing display of PC, TV (with Teletext), DVD and VCD.
- Picture-in-Picture (PIP) function for displaying both TV or video and PC application on the screen
- Super-high brightness/super- high contrast and fast response time
- 100 - page Teletext (available only in Asia Pacific and Western Europe)
- Digital Nicam/2CS Stereo (available only in Asia Pacific and Western Europe)
- Component Video Input (YUV) for DVD (available only in Asia Pacific and NTSC systems)
- Euroconnector (SCART)(available only in Western Europe)



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PHILIPS

15" LCD Monitor/ TV



Technical Specifications

LCD panel

- Type TFT LCD
- Screen size 15.0 inch / 38.1 cm
- Pixel pitch 0.297 x 0.297mm
- LCD panel type 1024 x 768 pixels, R.G.B vertical stripe
- Effective viewing area Anti-glare polarizer, hard coated
- Display colors 304.1 x 228.1mm
- 8 bits interface (16.7M colors)

Scanning

- Vertical refresh rate 56-75 Hz
- Horizontal frequency 31-61 kHz

Video

- Video dot rate (Max.) 80 MHz
- Input impedance
 - video 75 Ohm
 - Sync 2K Ohm
- Input signal levels 0.7 Vpp
- Sync input signal Separate sync
- Composite sync
- Positive and negative

Optical characteristics

- Contrast ratio 500 : 1 (typ.)
- Brightness 310 cd/m² (typ.)
- Peak contrast angle 6 o'clock
- White chromaticity (PC) x: 0.281 y: 0.311 (at 9300°K)
- x: 0.312 y: 0.338 (at 6500°K)
- Viewing angle (C/R >5) Upper ≥ 55°(typ.)
- Lower ≥ 65°(typ.)
- Left ≥ 70°(typ.)
- Right ≥ 70°(typ.)
- Response time ≤25 ms (typ.)

Resolution & preset modes

- Maximum 1024x768 at 75Hz
- Recommended 1024x768 at 60Hz
- 14 user definable modes
- 14 factory preset modes:

	H.freq(KHz)	V.freq (Hz)
640 x 350	31.5	70
720 x 400	31.5	70
640 x 480	31.5	60
640 x 480	35.0	67
640 x 480	37.8	73
640 x 480	37.5	75
800 x 600	35.2	56
800 x 600	37.9	60
800 x 600	48.0	72
800 x 600	46.9	75
832 x 624	49.7	75
1024 x 768	48.4	60
1024 x 768	56.5	70
1024 x 768	60.0	75

(Interface mode is not applicable)

Plug and play compatibility

- Display data channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/ Me & 2000/NT/XP compatible

Power management

- Complies with EPA Energy Star and NUTEK specifications
- Operation 48W (typical)
- Sleep mode 1.5W (typical)
- Power button LED indicator
 - Operation Steady Green
 - Stand by/sleep Flashing Green

Low-emission characteristics

- Complies with MPR-II and TCO '95 specifications

Monitor controls and functions

- Front
 - Power on/off - Tact Switch
 - PC, TV/Video - Tact Switch
 - Source - Tact Switch
 - PIP - Tact Switch
 - Menu(OK) - Tact Switch
 - Auto - Tact Switch
 - Up/Down (Channel) - Tact Switch
 - +/- (Volume) - Tact Switch
- Power button LED indicator
 - Steady Green - power on
 - Flashing Green - stand by/ sleep mode

Connections

- BACK
 - D-sub in (for PC)
 - TV in (antenna/cable)
 - DVD Component Video (YUV) in (available only in Asia Pacific, and NTSC system)
 - S-Video in
 - CVBS Video in (available only in Asia Pacific, and NTSC system)
 - AV Audio L/R in
 - PC Audio in
 - Euroconnector(SCART) : RGB in, CVBS in/out (available only in Western Europe)
 - 12Volt DC in
- SIDE
 - Headphone Jack 3,5 mm out
 - Stereo line out Jack for external speaker

Regulatory approvals

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '95
- E2000

Physical specifications

- Dimension (WxHxD) 391 x 366 x 200 mm (incl. Pedestal)
- Tilt -5°-30°
- Weight 5.8 Kg
- Power supply 100 - 240 VAC, 50/60 Hz
- Temperature 5°C to 35°C (operating)
- 20°C to 60°C (storage)
- Relative humidity 20% to 80%
- System MTBF 50K hrs (excluding CCFL 40K hrs)

Picture

- Picture in Picture
- Comb Filter (available only in Asia Pacific and Western Europe)
- Digital Comb Filter (available only in NTSC system)
- Incredible Picture
 - Green Enhancement
 - Histogram
 - Colour Transient Improvement
 - Blue Stretch
 - Skin Tone Correction
- Dynamic Noise Reduction (DNR)
- Smart Picture Setting (Soft, Natural, Rich, Personal)

Sound

- Sound Power : 2x2.5W RMS
- Digital Nicam / 2CS Stereo (available only in Asia Pacific and Western Europe)
- Smart Sound Setting (Theatre, Music, Voice, Normal)
- Incredible surround
- Auto Volume Leveler

Ease of Use Installation

- Remote control
- 100 Preset channels (available only in Asia Pacific and Western Europe)
- 181 channels (available only in NTSC system)
- Autostore
- Sleep Timer

Reception

- TV System
 - PAL(BG,DK,I) and SECAM(BG, DK, LL') (available only in Asia Pacific and Western Europe)
 - NTSC (available only in NTSC system area)
- TV System
 - NICAM/IGR/2CS (available only in Asia Pacific and Western Europe)
- Stereo System
 - MTS with SAP (available only in NTSC system)
- Video Playback
 - NTSC 4.43/3.58
- 100 page Teletext (available only in Asia Pacific and Western Europe)

We recommend using 1024 x 768 at 60Hz non-interlaced mode for the best picture quality. As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency. Microsoft and Windows are registered trademarks of Microsoft Corporation. Macintosh is a registered trademark of Apple Computer, Inc.

* Resolution 1024x 768, standard size, contrast max., brightness 50%, 9300°K, full white pattern, without Audio.

All data subject to change without notice

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