

All-in-one full-featured LCD monitor and TV combo

- 15-inch XGA LCD monitor TV with excellent display performance
- HDTV setup box and Progressive DVD input (1080i/ 720p/ 576p/ 480p)
- Multiple video inputs for display of PC, TV, DVD and VCD signals
- Screen mode adjustment for best movie/DVD viewing ratio
- Digital Nicam/ 2CS stereo (available only in Asia Pacific and Western Europe)
- AUTO adjustment optimizes picture quality
- Standard VGA analog input
- Embedded universal AC power supply



PHILIPS

15" LCD Monitor TV



Technical Specifications

LCD panel

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

Scanning

- Vertical refresh rate 56~76 Hz
- Horizontal frequency 30~63 KHz

Video

- Video dot rate 80 MHz
- Input impedance
 - Video 75 Ohm
 - Sync 2K Ohm
- Input signal levels 0.7Vpp
- Sync input signal Separate sync
- Sync polarities Positive and negative
- Video interface Analog (D-Sub) input

Optical characteristics

- Contrast ratio 350:1 (typical)
- Brightness 250 cd/m² (typical)
- Peak contrast angle 6 o'clock
- White chromaticity
 - x: 0.283 y: 0.297 (at 9300°K)
 - x: 0.313 y: 0.329 (at 6500°K)
- Viewing angle (C/R >5)
 - Upper ≥ 50° (typical)
 - Lower ≥ 60° (typical)
 - Left ≥ 75° (typical)
 - Right ≥ 75° (typical)
- Response time 25 ms (typical)

Resolution & preset modes

- Maximum 1024 x 768 at 75 Hz
 - Recommended 1024 x 768 at 60 Hz
 - User definable modes 14
 - Factory preset modes 11
- | | H.freq (KHz) | V.freq (Hz) |
|------------|--------------|-------------|
| 640 x 350 | 31.5 | 70 |
| 640 x 480 | 31.5 | 60 |
| 640 x 480 | 35.0 | 67 |
| 640 x 480 | 37.5 | 75 |
| 720 x 400 | 31.5 | 70 |
| 800 x 600 | 35.2 | 56 |
| 800 x 600 | 37.9 | 60 |
| 800 x 600 | 46.9 | 75 |
| 832 x 624 | 49.7 | 75 |
| 1024 x 768 | 48.4 | 60 |
| 1024 x 768 | 60.0 | 75 |

PC

640 x 350	31.5	70
640 x 480	31.5	60
640 x 480	35.0	67
640 x 480	37.5	75
720 x 400	31.5	70
800 x 600	35.2	56
800 x 600	37.9	60
800 x 600	46.9	75
832 x 624	49.7	75
1024 x 768	48.4	60
1024 x 768	60.0	75

SD Video input

480i (NTSC)	15.734 KHz	60 Hz
576i (PAL)	15.625 KHz	50 Hz

HD Video input

ED 480p	31.470 KHz	60 Hz
HD 720p	45.000 KHz	60 Hz
HD 1080i	33.750 KHz	60 Hz
HD 576p	31.250 KHz	50 Hz
HD 720p	37.500 KHz	50 Hz
HD 1080i	28.125 KHz	50 Hz

(Interlace mode is not applicable)

Plug and play compatibility

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

Power management

- Complies with EPA Energy Star and NUTEK specifications
- Typical operation 25 W (typical)
- Sleep mode 1 W (110 V), 2 W (220 V)

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Connections

BACK

- D-sub in (for PC)
- TV in (antenna/cable)
- S-Video in
- CVBS Video in
- AV Audio L/R in
- PC Audio in
- 12Volt AC in
- Stereo line out Jack 3.5mm for external speaker

SIDE

- Headphone Jack 3.5mm out

Monitor controls and functions

- Front
 - Power on/off - Tact switch
 - OK - Tact switch
 - Source - Tact switch
 - Up/Down - Tact switch
 - Left/Right - Tact switch
- LED indicator
 - Green Power on
 - Amber Stand by/ sleep mode

Regulatory approvals

- TÜV/GS, TÜV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '99

Physical specifications

- Dim. incl. base (W x H x D) 360 x 356 x 177 mm (incl. pedestal)
- Dim. excl. base (W x H x D) 360 x 320 x 62.3 mm
- Tilt -5°~25°
- Net weight 4.10 Kg
- Power supply 100 - 240 VAC, 50/60 Hz
- Power consumption 25 W* (typical)
- Temperature (operating) +5°C to +40°C
- Temperature (storage) -20°C to +60°C
- Relative humidity 20% to 80%
- System MTBF 50K hrs (excluding CCFL 30K hrs)

Picture

- Comb Filter (available only in Asia Pacific and Western Europe)
- Digital Comb Filter (available only in NTSC system)

Sound

- 2.0W stereo audio (1 W/channel, dual RMS x 2, 200 Hz - 10 KHz, 16 Ohms, 10% THD)
- Digital Nicam 2CS stereo (available only in Asia Pacific and Western Europe)

Ease of Use Installation

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

Reception

- TV system (Asia Pacific) PAL B/G and NTSC M (support Muti-system)
- TV system (West Europe) PAL (B/G, D/K, I) and SECAM L, L'
- TV system (China) PAL (D/K)
- TV system (NAFTA) NTSC M
- Stereo 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

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All data subject to change without notice
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