



Philips
large display

107cm (42")
multimedia
WXGA

420WN6QS

excellent and robust display solutions

Excellent and robust, the network-controlled Philips 420WN6 LCD monitor provides a reliable and multi-function solution with Philips leading display technology that guarantees your message gets out to the public crystal clear.

Better front of screen experience

- Wide format WXGA 1366 x 768 resolution for sharper display
- 3D combfilter effectively delivers better picture quality
- Motion adaptive deinterlacing for razor sharp motion images
- Adaptive brightness intensifier technology
- Ready to display SDTV, EDTV and HDTV formats

Less management effort for maximum productivity

- Multiple displays from a daisy chain to show uniform content
- Remote Management and Configuration via RS232

Great convenience

- Input connectors: CVBS, S-video, SCART, YPbPr, and RF (TV input)
- Displays PC data while viewing video or TV in a window
- Zoom function to enable tiled matrix application
- Support high-bandwidth digital content protection decryption
- Split screen for dual video/PC display

PHILIPS

Highlights

Loop through

Multiple screen daisy chain is a system that effectively distributes audio and/or visual content from a single source to an array of monitors in various locations within a site.

Remote Management:: RS232

Remote Management allows the user to control and adjust the displays remotely via the RS232 protocol. Using CEC commands, you are able to have full control over all the displays in your signage network at any time.

Motion adaptive deinterlacing

Motion adaptive deinterlacing employs a smart deinterlacing algorithm that first detects the video source type and then removes flickers and sharp, 'saw-toothed' edges in the interlaced video to obtain stable and razor sharp images.

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.

WXGA 1366 x 768 resolution

The wide format of XGA resolution LCD panel is capable of displaying 1366 x 768 pixels; WXGA allows monitors to be non-interlaced to ensure a better display performance and accurate color display effect.

AI technology

Adaptive brightness intensifier technology significantly improves a display device's contrast ratio by enlarging the dynamic range of luminance displayed on LCD TV for darker displays of black and brighter display of white.

Versatile TV Format Ready

A display device ready to display standard definition television, extended definition television and high definition television signals, which are commonly used by TV systems in the world.

Versatile connectivity

A variety of format choices in connecting video or audio devices.

Zoom function for tiling

The zoom function divides a screen into various zones (2x2, 3x3, 4x4, 1x5). The user can enlarge the image in any one of the zones on a single monitor or put it to work with multiple display devices to build a screen array or monitor/TV wall.

HDCP

An HDCP-enabled TV decrypts protected content transmitted from a set top box: To prevent piracy, digital audio-visual content is protected by a high-bandwidth digital content protection (HDCP) system designed to protect transmissions between an HDCP transmitter - the set top box - and an HDCP receiver, the TV. After the transmitter verifies the TV is licensed to receive HDCP content, it transmits encrypted content to the television; and the TV decrypts and displays the content.

Picture by Picture

PBP splits a screen in two parts for the simultaneous display from a PC graphic in one half and video content in another.

Picture in Picture

PIP enables the viewing of a small television or video window at a selected location in a full-screen display.



Specifications

Picture/Display

- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- LCD panel type: 1366 x 768 pixels, Anti-glare polarizer
- Pixel pitch: 0.227 x 0.681 mm
- Optimum resolution: 1360 x 768 @ 60Hz
- Brightness (nits): 500 nit
- Display colors: 16.7 M
- Contrast ratio (typical): 1100:1 (with dynamic contrast ratio on)
- Response time (typical): 8 (grey to grey) ms
- Viewing angle: @ C/R > 10
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: Motion adaptive de-interlacing, 3D Combfilter, Picture in Picture, Picture by Picture, Progressive scan
- Horizontal Scanning Frequency: 30 - 63 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Maximum Resolution: 1366 x 768 @ 60Hz
- Factory Preset Modes: 12 modes
- sRGB
- White Chromaticity, 5700K: $x = 0.328$ / $y = 0.344$
- White Chromaticity, 6500K: $x = 0.313$ / $y = 0.329$
- White Chromaticity, 9300K: $x = 0.283$ / $y = 0.297$

Connectivity

- PC: 3.5 mm PC audio input x1, DVI-D with HDCP, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- AV input: Audio (L/R) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Component (YPbPr) x1, SCART x1, S-video x1, 75 ohm RF (TV) x1
- AV output: Audio (L/R) x1, Composite (CVBS) x1, Ext 3.5 mm jack x1
- RS232

Convenience

- Plug & Play Compatibility: sRGB, Windows 98/ME/2000/XP
- User convenience: Loop through (daisy chain), Automatic Brightness Control, Automatic Overheat Warning, On-screen Display
- Monitor Controls: Left/Right, Menu (OK), Power On/Off, Up/Down, Input select
- Regulatory approvals: CE Mark, C-Tick, FCC-B, UL, CSA, MPRII, NUTEK, TÜV/GS
- OSD Languages: English, French, German, Italian,

- Spanish, Simplified Chinese
- VESA Mount: 100 x 100 mm
- Child Protection: Parental Control
- Detachable Audio: 10W RMS x 2 Stereo Speaker
- Closed caption: CC full text
- Screen Format Adjustments: Zoom
- Teletext: 10 pages (EU,AP)
- Software: Virtual surrounding sound

Power

- Power supply: Built-in, 90-264 VAC, 50/60 Hz
- Consumption (On mode): 140 W (PC), 220 W (TV)
- Power LED indicator: Operation - Blue, Stand by/sleep - Amber
- Complies with: NUTEK
- Consumption (Off Mode): < 3 W

Supported Display Resolution

- Computer formats: 640 x 480, 60, 75Hz, 720 x 400, 70Hz, 800 x 600, 60, 75Hz, 1024 x 768, 60, 75Hz, 1280 x 768, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz

Dimensions

- Weight: 35 kg
- Temperature range (operation): 5°C to 35°C
- Temperature range (storage): 0°C to 60°C
- Relative humidity: 5% - 90%
- MTBF: 50,000 hrs
- Depth (w/o base & speakers): 150 mm
- Depth (with base): 300 mm
- Height (with base): 680 mm
- Height (w/o base & speakers): 644 mm
- Width (w/o base & speakers): 1052 mm
- Width (with speakers): 1272 mm

Tuner/Reception/Transmission

- TV system: NTSC, PAL, SECAM

Accessories

- Included accessories: AC Power Cord, DVI-D cable, Monitor base, Remote Control, Speakers (L/R), VGA cable
- User Manual
- Optional accessories: Protective Cover



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