High Quality Large Display

117 cm (46") Wide VGA Plasma Monitor

An elegantly designed TV that you can hang on the wall is now a reality. This Flat TV delivers best-in-class picture quality for your home entertainment set up.

Better front of screen experience
- Turn your TV screen into a mosaic of different channels
- High speed color rendering for natural color reproduction
- High brightness (1000cd/m2) and 3000:1 contrast ratio
- De-contouring for better gray level display at low luminance
- 3D combfilter separates colors for a razor-sharp image

Operational flexibility
- HDTV Signal Compatible to display HDTV content
- Built-in audio amplifier with SRS and speakers
- Quiet and reliable fanless operation

Lower total cost of ownership
- Advanced anti burn-in functions to prevent ghost images

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Specifications

Highlights

Picture/Display
- Panel Size: 46" / 117.8cm
- Aspect ratio: 16:9
- Panel resolution: wVGA (854 x 480 pixels)
- Pixel pitch: 1.182 x 1.182 mm
- Brightness: 1000 cd/m²
- Contrast ratio (typical): 3000:1
- Display colors: 16.7 Million colors
- Viewing angle: 160° (H) / 160° (V)
- Horizontal Scanning Frequency: 30 - 91 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, De-contouring, Picture in Picture

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75, 85Hz
720 x 400	70Hz
800 x 600	56, 60, 72, 75,85Hz
1024 x 768	60, 70, 75, 85Hz
1024 x 768	60Hz

- VGA 640 x 400: 85 Hz
- MAC 640 x 480: 67 Hz
- MAC 832 x 624: 75 Hz
- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	60Hz
1080i	50Hz

Connectivity
- PC: DVI-D x1, VGA-in D-Sub 15HD, 3.5 mm PC audio input x1
- AV input: Composite (CVBS) x1, Component (YPbPr) x1, Scart 2x
- Audio cinch out: Analog audio output L/R
- Audio input for video: Audio Left/Right (RCA x 2)
- Connectivity Enhancements: External Loudspeaker connector

Tuner/Reception/Transmission
- TV system: PAL, PAL B/G, PAL D/K, PAL I, SECAM

Convenience
- Picture in Picture: Full dual screen (2 tuners), Picture in Picture All Inputs, Double window
- Screen Format Adjustments: Mosaic Screen, Continous Zoom
- User convenience: On-screen Display
- Teletext: 200 pages
- OSD Languages: English, French, German, Italian, Spanish
- SRS sound processing
- Built-in Audio: Built-in amplifier (2x10) and speakers
- DPMS power saving system
- Screen saving functions: Full white, image reverse, pixel shift
- Regulatory approvals: CE Mark, FCC-B, UL, CSA

Power
- Consumption (On mode): 330 Watts (average)
- Power supply: 100-240VAC, 50/60Hz
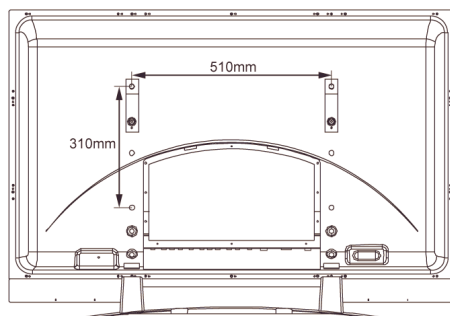- Sleep Mode: 5 Watts Max.

Dimensions
- Dimensions (without base) (W x H x D): 1138 x 691 x 98 mm
- Weight: 37 kg
- Temperature range (operation): 0°C to 40°C
- Relative humidity: 20% - 80%
- Lifetime to 50% brightness: 30000 hr

Accessories
- Included accessories: Table top stand, Remote Control, Battery, S-video cable, AV cable, 3xRCA to 3x RCA, Audio Cable, VGA cable, AC Power Cord
- User Guide on CD-ROM
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount, Speakers
- User Manual: Eng,Ger,Fre,Spa,Ita

Miscellaneous
- Bezel: Silver

Multiple PiP Modes
Multiple Picture-in-Picture modes allow you to simultaneously watch two video sources either picture-in-picture, side by side, or in a mosaic-view with still images.

High speed color rendering
It is difficult to do the color rendering for both NTSC and EBU color space in conventional PDP. The built-in 12-bit high speed circuit brings pure, rich natural color reproduction in both the NTSC and EBU color space

High brightness & contrast
High brightness and contrast values are extremely beneficial in public environments where lighting conditions are variable and often beyond control.

De-contouring
Conventional PDP's often show contouring in lower grey levels because of insufficient grey level resolution. A proprietary technology has been implemented to minimize contouring resulting in better and smoother gradients.

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.

HDTV Signal Compatible
This display is capable of accepting 1080i and 720p HDTV signals via na external HDTV decoder with RGB or Components Video outputs

Built-in audio amp with SRS
If an application requires better sound quality, then this monitor provides SRS surround sound processing, built-in speakers and the ability to connect bigger external speakers

Fanless operation
Fanless operation is quiet and doesn't collect dust inside the monitor thus improving product reliability.

Advanced anti burn-in function
A protective function called "pixel shift" has been implemented. When the protection mechanism is activated the screen image automatically shifts its pixel positions to prevent "image ghosting". Secondly, burn-in recovery has been implemented. Depending on the model, ghost images are removed by applying a full white signal on the whole panel for a certain amount of time or by reversing the image to achieve the same result.

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