



Flat color plasma TV set 40"

The newest addition to our PLASMA DISPLAY product line is this 40" (102 cm) diagonal size TV screen. The screen area is incorporating the same proven technology as our large screen displays, however is not tiled but comprised of one complete segment.

The module is designed for reception and display of color images in PAL, SECAM and NTSC standards. The technique utilised reduces visual fatigue occasionally perceived with the 50 Hz picture refresh rate of regular CRT TV sets. The screen format is already adapted to the new 16 : 9 ratio of wideangle TV standards.

Parameter	40" TV set
Frequency range	VHF, UHF
Tuner standards	PAL, SECAM, NTSC
Number of preset channels	90
Stereo	available
Frame rate, (Hz)	50
Resolution, (trixel)	853 ÷ 480
Trixel pitch, (mm)	0,95
Screen diagonal, (inch)	40 (1050 mm)
Screen ratio	16 : 9
Luminescence, (white, Cd/m ²)	> 300
Overall Contrast, (rel. Units)	> 300 : 1
Number of colors	256
Viewing angle, (degree)	> 160
Operation temperature, (°C)	-5 - +40
Mains supply, (VAC, Hz)	230/ 50
Power consumption, (VA)	300
Weight, (kg)	24
Total dimensions, (mm)	976 ÷ 584 ÷ 100

These flat panel AC- PDT screens are intended to replace common CRT home and business video displays as well as compete with LCD screens and projection systems

The flat panel plasma screen technology provides various advantages compared to LCD and CRT displays in use today.

Constructional advantages (extract):

- Higher brightness ratio than LCD
- Wider viewing angle than LCD
- Higher contrast ratio than LCD
- Higher screen refreshment rate than LCD
- Longer lifetime than LCD
- Lower weight and less depth than CRT
- Larger screen size than CRT
- Complete protection against unorthorized information access