Key Points

- 40 (>101cm) wide screen high brightness LCD monitor for professional picture monitoring
- Advanced TFT LCD panel
- True 16:9 aspect ratio
- WXGA resolution: 3,147,264 pixels (1366x768x3)
- Superior image quality enhanced by 800:1 contrast ratio
- Wide 170° viewing angle (up/down; left/right) to increase readability
- Extensive connectivity allows simultaneous connectioncs of multiple sources
- High brightness >600 cd/mq, for a superb picture performance
- Long life lamp
- Slim, thin and lightweight

The SDM40-D500 is a 16:9 aspect ratio, low-reflection and wide viewing angles large screen 40" monitor, suitable for control rooms, briefing and training rooms, teleconference, boardrooms, surveillance, commercial applications, hotel lobbies and visual messaging information points.

Image quality

Featuring the latest TFT panel technology, the SDM40-D500 combines state-of-the-art technology and stylish compact design. The SDM40-D500 is a professional high definition display - burn-in free- designed to deliver bright and high contrast images, excellent colorimetry and gray level rendering. With a brightness of 600 cd/m2, this monitor delivers sharp vivid pictures even in direct sunlight conditions. The variety of different available analog and DVI inputs allows the SDM40-D500 to be effectively used both for graphic data and video imaging display.

Reliability

Long-life backlight (60.000 hours) ensures reliable operation in continuous applications. Low heat dissipation decreases chances of component failure.

Easy Installation

With a reduced depth of 10,2cm and a lightweight (45Kg), the SDM40-D500 is easy to install while its sleek profile is ideal for prestigious environments. The image alignment is easily controlled electronically via remote control handset, which allows you to perfectly adapt the image on the screen.

Versatile Image Control

DVI inputs provide digital quality for a professional connectivity. In a chain of monitors, DVI loop-through allows feeding from the same source for a distributed visualization system.
The internal image processing and resizing capabilities of the SDM40-D500 can be effectively exploited to display different source image resolutions from VGA to UXGA. Besides IR remote control, the continuous monitoring and control of the videowall operating parameters during operations is achieved through a serial protocol-based control software via RS485/232 connection. For display operations, the SDM40-D500 can easily be connected to an external image controller for multiple input windows managing. The default adjustments can be stored in specific memory locations that can be easily accessed by the user.

Maintenance

The SDM40-D500 has been designed with special attention in minimize maintenance operations. Dust removal is the only routine operation to be easily done from time to time.

Technical specifications

Projection System

LCD Panel	latest generation TFT LCD
Resolution	Wide XGA (1366x768)
Aspect Ratio (W:H)	16:9, Anamorphic, Letter Box, Panoramic, Pixel to Pixel + 3 custom-user adjustments
Screen brightness	600 cd/m2
Viewing Angle	170°
Screen contrast ratio	>800:1
Response time	Typical 8ms
Color Temperature	3 Preset
Screen size	Diagonal size 40″
Lamp life time	60.000 hours* in standard conditions

Electronics

Horizontal Frequency	15KHz-110KHz
Vertical Frequency	48 Hz - 120 Hz
Analog Bandwidth	170 MHz @ -3dB for graphic signals; 8 MHz @ -2dB for Video Signals
Graphic Standards	from VGA (640x480) to UXGA (1600x1200) with internal scaling
Video Standard	automatic recognition and decoding: PAL, NTSC, SECAM internal motion-adaptive deinterlacing

Input signals

Graphic Inputs	2 x RGB+HV (or YPrPb) on D-sub HD15 connectors
Video Inputs	1 x CVBS1 in on BNC connector 1 x S-VIDEO (in/out) on mini DIN
DVI Input / Output	Analog RGBHV (or YPrPb) + Digital RGB (in/out)
Control Interface	1xRS485 (in/out) 1xRS232USB in 1xUSB 1.1. in

Electrical Data

Main Power Supply	100 Vac - 240 Vac +/- 10%; Line Frequency 48 - 62 Hz
Power Consumption	Max 185 W (160 Kcal/h)
Fuse	T 3.15A H 5x20mm

Mechanical Data

Cabinet Dimensions	1106 x 652 x 102 mm (WxHxD)
Net weight	45 Kg.

Environmental Data

Exhaust Air	48 °C (@ 35°C environment)
Operating Ambient Temperature	from 0° to +35°C
Storage and Transportation	from -10°C to +55°C
Humidity	from 10% HR to 90% HR (without condensation)
Max Altitude	Operating 4000m Storage 11000m

Safety and Rgulatory Data

Drop Test	in compliance with UNI EN 22247 and 22248
Safety	in compliance with EN 60950, UL60950
EMC emission	in compliance with EN 55022, EN61000-3-2/3
EMC immunity	in compliance with EN 55024, EN61000-4-2/3/4/5/6/8/11, ENV50204

Accessories

Easywall 3	PC based control software suite
RC 2000	Remote Control Handset p/n 790010000
Ethernet box	
Base	
Installation and user manual	

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(*) Lamp life: the hours have been calculated under strict test conditions. Misuse or improper operating conditions may alter it.

Due to constant product development, specifications and design might be subject to change without notice. SDM40-D500- World - January 2005

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