

TFT DISPLAY



**DVI Digital and
Analogue Inputs**

**1280 x 1024
pixel resolution**

**Extra wide viewing
angle: $\pm 80^\circ$**

The Diamond View DV181 from Mitsubishi Electric Australia is a high-contrast active-matrix Liquid Crystal Display (LCD) monitor with 18.1"/46 cm diagonal viewable area. The DV181 combines a thin, sleek design with superior image quality and high brightness. A DVI Digital signal interface is included, eliminating picture noise associated with analogue graphics adaptors. The thin-film transistor (TFT) panels used in Mitsubishi's monitors provide crisp, clear and bright images with a wide viewing angle. LCD monitors have the added advantages of low power consumption, light weight and small size.

KEY FEATURES:

- 18.1"/46 cm diagonal viewable screen area
- High Resolution, 1280 x 1024 Pixel Thin-Film Transistor LCD Panel
- High Brightness and Contrast - 250 cd/m² brightness and 350:1 contrast ratio
- Dual Computer Signal Inputs - DVI Digital and Analogue
- Plug and Play compatible with Microsoft® Windows® 95, 98, 2000, Me and XP
- Apple® Macintosh® compatible
- Auto Adjustment Function for easy installation: automatically optimises the displayed image by tuning it to the characteristics of the graphics signal
- High Quality Ratiometric Expansion: Any graphics resolution within the monitor's specified range is automatically expanded to full screen
- Space Saving - only 208 mm deep including the stand
- Light Weight - only 6.6 kg
- Built-in Stereo Amplifier and Speakers
- Removable Stand with VESA Standard Mounting. Optional ergonomic arms and wall mounting brackets are available
- Available in two cabinet colours: Light Grey (DV181) or Black (DV181B)



MODEL	DIAMOND VIEW DV181/DV181B
DISPLAY CHARACTERISTICS	
Display Type	18.1" Active Matrix Thin Film Transistor Liquid Crystal Display
Viewable Diagonal Area	46 cm / 18.1"
Display Area (Horizontal, Vertical)	359 x 287 mm
Native (Maximum) Resolution	1280 x 1024 pixels
Colour Depth	16.7 million colours
Contrast Ratio	350:1 (typical)
Brightness	250 cd/m ² (typical)
Response Time	50 ms (maximum)
Viewing Angle (Horizontal, Vertical)	±80°, ±80° (typical)
Dot Pitch	0.2805 mm (Horizontal and Vertical)
USER INTERFACE	
Controls	Mains power switch, 4 buttons to control On-Screen Display, Automatic image adjustment button
On-Screen Display Functions	Contrast, Brightness, Vert. & Hor. Image Position, Phase, Pixel Clock, Colour Balance, Colour Temperature, Choice of language (6 language OSD), OSD Position, Status Indicator
Preset Colour Temperatures	5800K, 6500K and 9300K
Microprocessor Controlled Graphics	22 preset graphics modes including 11 VESA modes
INPUT SIGNAL - RGB	
Horizontal Frequency	31 – 81 kHz multi-frequency
Vertical Frequency (Refresh Rate)	56 – 76 Hz
Video Signal	RGB analog (Positive polarity), 0.7 Vpp/75 Ohm
Synchronisation (Analogue)	TTL – separate or composite
Signal Connection	Analogue (15-pin mini D-sub cable) and DVI-digital
Plug & Play	DDC-2B – Compatible with Windows 95, 98, 2000, XP and Millennium Edition
AUDIO	
Audio Output Power	1 Watt / Channel (at 1 kHz)
Frequency Response	50 Hz – 12 kHz
THD	< 10% at 1 W
Signal/Noise Ratio	> 50 dB
USB HUB	
Ports	1 Upstream and 2 Downstream
USB Standard	USB Specification Revision 1.1
PHYSICAL CHARACTERISTICS	
Maximum Power Consumption	75 Watts during operation, including USB hub < 5 Watts in power saving mode
Power Management	VESA DPMS, Energy Star
Operating Voltage	Automatic switched mode power supply, 100 – 240 Vac, 50 – 60 Hz
Dimensions (W x H x D)	408 x 436 x 208 mm including stand 407 x 378 x 80 mm with stand removed
Weight	6.6 kg
Base Tilt	0° ~ +25°
Base swivel	±150°
Operating Temperature	5°C ~ 35°C
Operating Air Humidity	20% ~ 80%, non-condensing
REGULATORY CERTIFICATION	
Safety	AS/NZS 60950, IEC 950, EN 60950 (TÜV/GS), UL, CSA
EMI/EMC	AS/NZS 3548 Class B (C-Tick), CE, FCC-B, VCCI
Other	TÜV/Ergonomics, ISO 13406-2, MPR-II Compliant with the Emission, ergonomic and energy requirements of TCO'99 (DV181 only)

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