

TFT DISPLAY



1024 x 768
pixel resolution

New, slim design

High brightness
and contrast

The Diamond View DV158 from Mitsubishi Electric Australia is a high-contrast active-matrix Liquid Crystal Display (LCD) monitor with 15"/38.1 cm diagonal viewable area. Available in either silver or charcoal grey, it combines a new thin, sleek design with superior image quality and high brightness. 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, requiring less desk space, compared with conventional CRT-based monitors.

KEY FEATURES:

- XGA (1024 x 768 pixel) Resolution LCD Panel
- New slim design
- High Brightness (250 cd/m²) and 350:1 Contrast Ratio
- Plug and Play Compatibility with Microsoft Windows® 95, 98, 2000, XP and Millennium Edition
- Apple Macintosh Compatible
- Space Saving - only 211 mm deep including the stand and 46 mm deep with the stand removed
- Light Weight - only 3.8 kg
- Lower Power Consumption - 30 W maximum during operation with audio
- Power management complies with VESA DPMS standard. When the system is idle (in monitor off mode), the monitor automatically cuts its power consumption to less than 3 W
- On Screen Display
- Auto Adjustment Function
- High Quality Ratiometric Expansion expands the image to full screen with any resolution
- True Colour Display
- Removable Stand with VESA Standard Mounting
- Built-in Stereo Amplifier and Speakers



MODEL	DIAMOND VIEW DV158
DISPLAY CHARACTERISTICS	
Display Type	15" active matrix Thin Film Transistor Liquid Crystal Display
Viewable Diagonal Area	38.1 cm / 15"
Display Area (Horizontal, Vertical)	304.1 x 228.1 mm
Native (Maximum) Resolution	1,024 x 768 pixels
Colours	16.7 million
Contrast Ratio	350:1 (typical)
Brightness	250 cd/m ² (typical)
Response Time	30 ms (maximum)
Viewing Angle (Hor, Vert)	± 75°, ± 70° (typical)
Dot Pitch	0.3 mm
USER INTERFACE	
Controls	Mains power switch, Automatic image adjustment, 4 OSD buttons
On-Screen Display Functions	Contrast, Brightness, Vert. & Hor. Image Position, Phase, Pixel Clock, Colour Balance, Colour Palette, Choice of language (6 language OSD), OSD Position, Status Indicator
Microprocessor Controlled Graphics Modes	12 modes: 9 VESA modes, 3 DOS modes
INPUT SIGNAL	
Horizontal Frequency	31.5 – 60.2 kHz, multi-frequency
Vertical Frequency (Refresh Rate)	56.3 – 75.0 Hz, multi-frequency
Video Signal	RGB analog (positive polarity), 0.7 V _{pp} / 75 Ohm
Synchronisation	Separate or Composite (TTL level)
Signal Connection	15-pin mini D-sub cable
AUDIO	
Audio Output Power	1 Watt/Channel (at 1 kHz)
Frequency Response	50 Hz – 12 kHz
THD / Signal/Noise	< 1% / 40 dB
PHYSICAL CHARACTERISTICS	
Power Management	VESA DPMS, Energy Star
Power Consumption	30 Watts during operation, with audio < 3 Watts in power saving mode
Operating Voltage (AC Adaptor)	Automatic switched mode power supply, 100 – 240 V at 50 – 60 Hz
Operating Voltage (Monitor)	12 V DC
Dimensions (W x H x D)	356 x 383 x 211 mm including stand 356 x 320 x 46 mm with stand removed
Weight	3.8 kg (including stand)
Temperature (Operating)	0°C – 40°C
Air Humidity (Operating)	20% – 85%
REGULATORY CERTIFICATION	
Safety	AS/NZS 60950, IEC 950, EN 60950 (TÜV/GS), UL, CSA
EMI/EMC	AS/NZS 3548 (C-Tick), CE, FCC
Other	TÜV/Ergonomics, ISO 13406-2, MPR-II, energy requirements of TCO'99

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