

FLAT PANEL MONITORS

29LS123(51UN) SERIES

12.1" LCD CHASSIS MONITORS

DISPLAY

Type:	AM Colour TFT
No. Colours:	256k
Max. Resolution:	800 x 600 pixels
Active Display Area	246 x 184.5 mm
Backlight:	Dual Edge CFL x 2
Backlight Life:	50,000 hours typical
Brightness:	350cd/m <sup>2</sup>
Contrast Ratio:	350:1 typical
Viewing Angles:	120° H, 90°V

SIGNAL INPUTS

Video:	Analog RGB 0.7V p-p TTL RGB >2.75Vp-p
Input Connectors:	6 x BNC 75R 15-pin HD Female
Sync. Type/Level:	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V
Multiscan Support:	800 x 600 SVGA 640 x 480 VGA 640 x 400 640 x 350 & other pre-programmed timings in 15-30kHz range
Horizontal Scan:	15 – 60kHz
Vertical Scan:	40 – 100Hz
Clock Rate:	80MHz max.
Controls: (On Screen Display buttons at rear)	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine, Colour

POWER INPUTS

DC Model:	12Vdc (15-30Vdc option)
Power Consumption:	30W Max.

PHYSICAL / ENVIRONMENTAL

Dimensions (approx):	294 x 265 x 65mm
Weight (approx):	3.0kg. approx.
Operating Temp:	0 to 50 <sup>0</sup> C
Storage Temp:	-20 to 60 <sup>0</sup> C

PART NUMBERS

Standard Model:	29LS123E51UN/1
AC Power Pack:	20BK0234H

SVGA & Old Legacy Signals



- Minimum Width (12" CRT Monitor dimensions)
- CGA/EGA/VGA/SVGA compatible
- Analogue + TTL Video inputs via BNC/9D/15HD
- Programmable for non-standard Legacy signals
- 12Vdc Operation (110/230Vac & 24Vdc options)
- EMC Shielded for CE requirements
- Optional Touchscreen Integration
- Top & Bottom Fixing Brackets

The **29LS123UN** series of Industrial LCD monitors have been designed as replacements for 12" CRT monitors now that supplies of 12" CRTs are difficult to obtain. Ease of integration into a wide range of Measurement, Instrumentation and Human-Machine interface applications has been a key consideration.

KME has designed a rugged LCD monitor module, of minimum width, to match the dimensions of its 12" CRT monitor chassis. The monitor is housed in a rugged metal case with rear fixing points. The LCD module is ventilated for best reliability when enclosed within the OEM enclosure. EMC considerations include the use of a metal shield over the front of the LCD panel.

The A/D board has been designed to accept a wide range of signal timings from 15kHz up to SVGA standard, including CGA & EGA legacy signals. Set-up controls for fine-tuning of the display are located at the rear of the monitor. Once set, no further adjustments should be required, and the last setting is stored in memory.

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged. 29ls123(51un)1 09/2004

MONITORS & DISPLAY MODULES

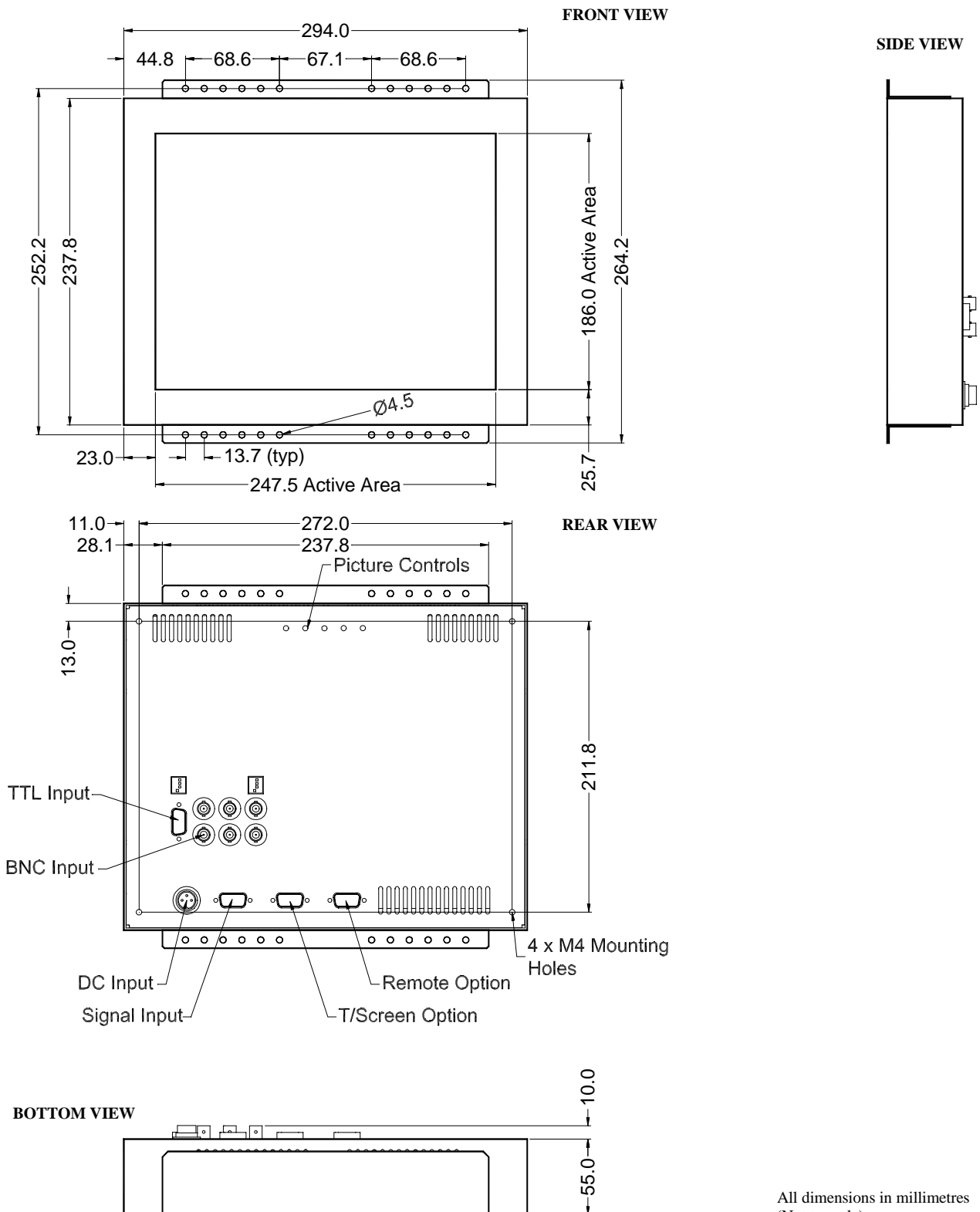


INTELLIGENT DISPLAY SOLUTIONS



## 29LS123(51UN) SERIES

## 12.1" TFT MONITOR



All dimensions in millimetres  
(Not to scale)

29ls123(51un)2

08/2004

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