

FLAT PANEL MONITORS

29LM123(51UN) SERIES

12.1" LCD MODULES

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 ² typical
Contrast Ratio:	350:1 typical
Viewing Angles:	120° H, 90°V

SIGNAL INPUTS

Video:	Analog RGB 0.7V p-p OR TTL RGB >2.75Vp-p
Input Connectors:	6 x BNC 75R 15-pin HD Female 9-pin D 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 238 x 65mm
Weight (approx):	3.5kg. approx.
Operating Temp:	0 to 50 ⁰ C
Storage Temp:	-20 to 60 ⁰ C

PART NUMBERS

Standard Model:	29LM123E51UN/1
AC Power Pack:	20BK0234H

CRT Monitor Replacements



- **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**
- **Rear Fixings for CRT Chassis Mounting**

The **29LM123UN** 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 mounted within the OEM enclosure. EMC considerations include the use of a metal shield over the front of the LCD panel. Toughened, non-glare safety glass protects the LCD.

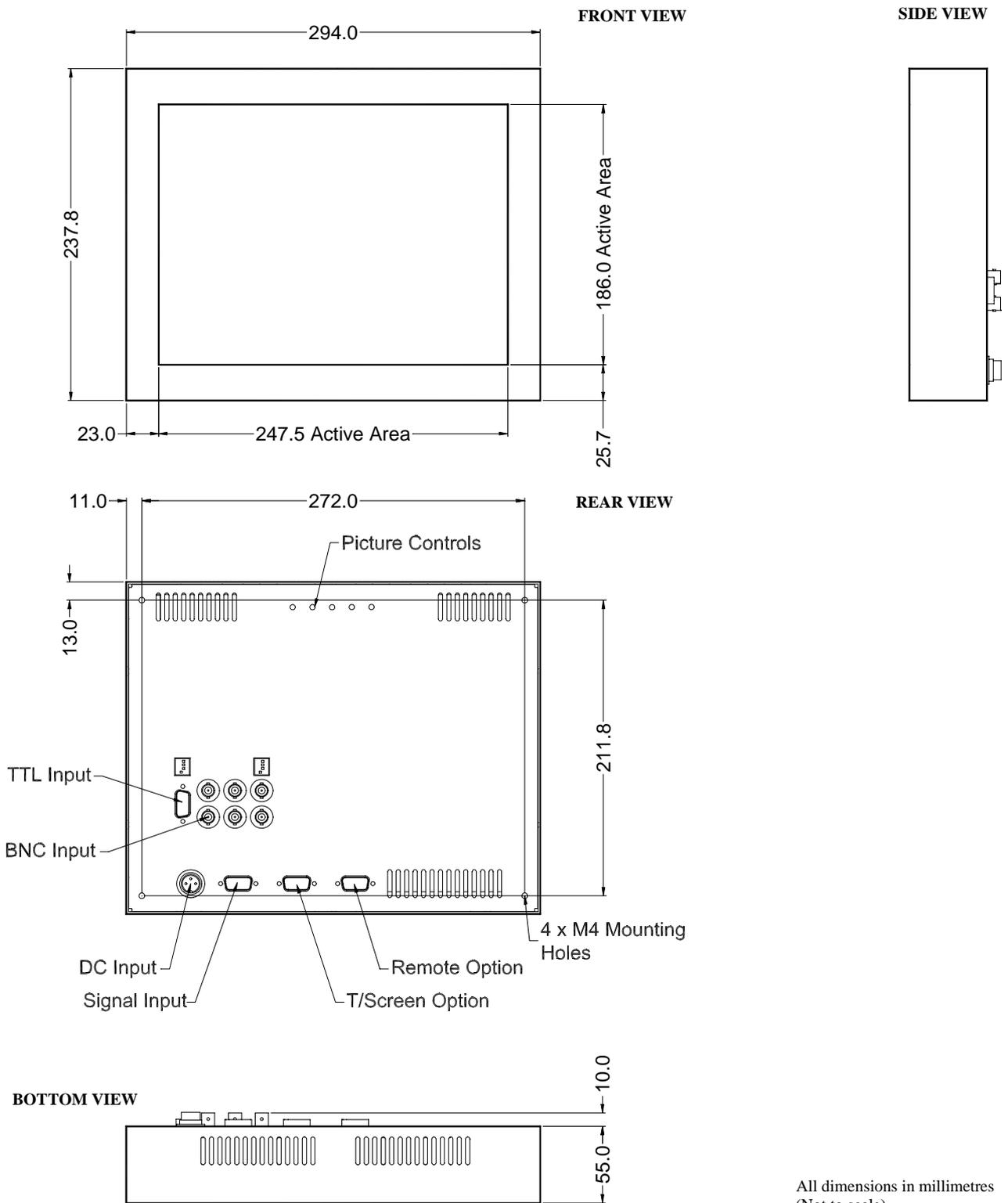
The A/D board has been designed to accept a wide range of signal timings from 15kHz up to SVGA standard, including CGA & EGA legacy signals. Set-up controls for fine-tuning of the display are located at the rear of the monitor. Once set, no further adjustments should be required, and the last setting 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. 29lm123(51un)1 09/2004



29LM123(51UN) SERIES

12.1" TFT MONITOR



All dimensions in millimetres
(Not to scale)

29lm123(51un)2

08/2004

Kent Modular Electronics Limited
 611 Maidstone Road, Rochester, Kent ME1 3QL, UK
 Tel: +44 (0) 1634 830123 Fax: +44 (0) 1634 830619
 E-mail: sales@kme.co.uk URL: <http://www.kme.co.uk>