

FLAT PANEL MONITORS

29LM151(51UN) SERIES

15.0" SLOW SCAN LCD MONITOR HEAD

DISPLAY

Type: AM Colour TFT
 No. Colours: 16 million
 Max. Resolution: 1024 x 768 pixels
 Active Display Area: 304.1 x 228.1 mm
 Backlight Life: 50,000 hours typical
 Brightness: 230cd/m² typical
 Contrast Ratio: 400:1 typical
 Viewing Angles: 160° H, 160° V

SIGNAL INPUTS

RGB Signal : Analog RGB 0.7-1.0Vp-p
 Or TTL >2.75Vp-p
 Input Connectors: 9D, 15D, BNC x 5
 Sync. Type/Level: Separate H&V (+/-ve) TTL
 or Composite (-ve) TTL
 or Sync-on-Green (-ve) 0.3V
 Slow Scan Support: Pre-programmed Analog or TTL
 (see table examples) inputs in 15-40kHz range
 Fast Scan Support: 1024 x 768 XGA
 800 x 600 SVGA
 640 x 480 VGA
 Horizontal Scan: 15-60kHz
 Vertical Scan: 40-100Hz
 Clock Rate: 112MHz max
 Controls: Brightness, Contrast, H/V
 (On Screen Display) Position & Size, Frequency,
 buttons at front) Frequency Fine, Colour

POWER INPUTS

DC Model: 12dc or 15-30Vdc
 Connector: 3 pin Circular
 Power Consumption: 35W Max.

PHYSICAL/ENVIRONMENTAL

Dimensions (approx): 388 x 296 x 58 mm
 Weight (approx): 5.0 Kg.
 Housing: Painted Steel (Storm Grey)
 Operating Temp: 0 to 50°C
 Storage Temp: -20 to 60°C

PART NUMBERS

Display Head only 29LM151E51UN (12Vdc)
 Display Head only 29LM151D51UN (24Vdc)
 Rackmount Model 29LR151A51UN
 Desktop Model: 19LM151A51UN

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged. 29LM151(51un)1 09/2004

XGA and Old Legacy Signals



- Specially designed for Slow Scan Signals
- CGA, EGA and all VESA standards up to XGA
- Image Size Adjustment & Save
- TTL, Analog & Interlaced Signals accepted
- BNC, 9-D & 15-D Connectors
- VESA Standard Fixings for Ergo Arm
- Also Rack/Panelmount, Desktop & Chassis versions

The 29LM151(51UN) Series of 15.0" LCD monitors has been designed primarily for Slow Scan Legacy Systems as replacements for 14"/17" CRT monitors. They utilise a modern XGA TFT (1024 x 768 pixels) panel and a KME-designed Analog-Digital interface board. All elements, including a toughened glass protection screen, have been packaged in a compact metal housing. (Dimensions are compatible with previous 15.0" series) VESA fixings for Ergo Arm mounting are on the rear cover

By special development of their own Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 25+ years of CRT monitor manufacturing, KME has created a Universal flat panel monitor with unique 15kHz to 60kHz display capabilities. Some common Slow Scan Signal timings are factory pre-set. New ones may be added on request. Other signals, which are close to those listed, will give a display but some adjustment may be necessary for full screen performance. The final settings can be easily stored for future use.

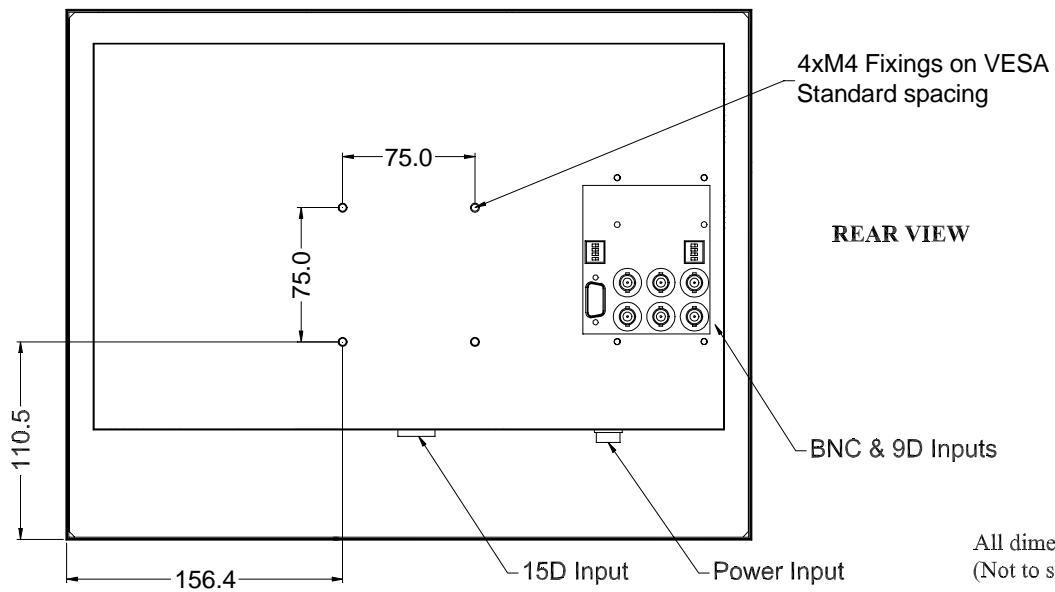
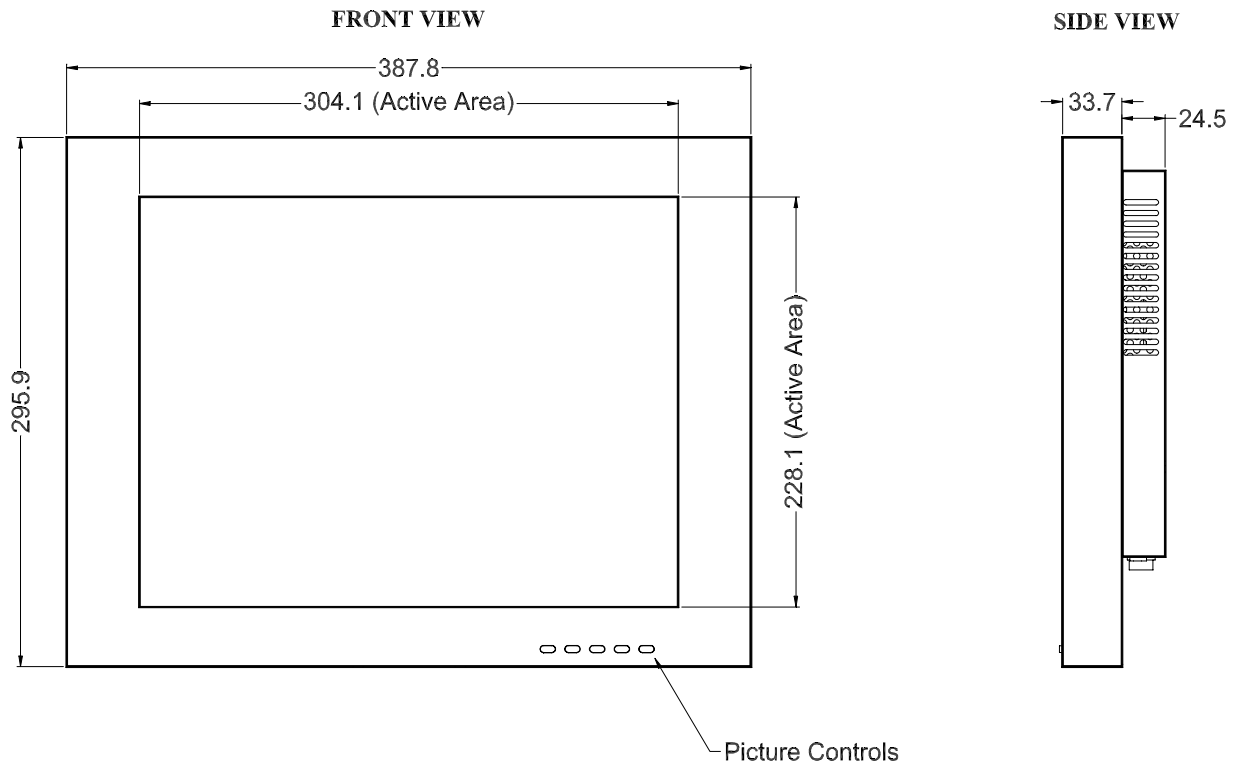
H. kHz	V. Hz	Pixels	H. kHz	V. Hz	Pixels
15.625	50	714 * 288	15.63	50	560 * 275
15.63	60	808 * 238	15.72	60	564 * 240
15.72	60	508 * 240	15.72	60	604 * 240
15.72	60	640 * 200	16.10	50	564 * 304
16.276	70	640 * 220	16.79	70	577 * 215
17.85	50	508 * 338	21.83	60	640 * 350
20.65	50	640 * 384	24.78	60	640 * 384

MONITORS & DISPLAY MODULES



INTELLIGENT DISPLAY SOLUTIONS





All dimensions in millimetres
 (Not to scale)

