

# FLAT PANEL MONITORS

**19LM151(51UN) SERIES**

**15.0" SLOW SCAN LCD MONITORS**

## DISPLAY

Type: AM Colour TFT  
 No. Colours: 16 million  
 Max. Resolution: 1024 x 768 pixels  
 Active Display Area: 304 x 228 mm  
 Backlight Life: 50,000 hours typical  
 Brightness: 230cd/m<sup>2</sup> 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

AC Model: 115/230V 50/60Hz  
 Power Pack inside base  
 Power Consumption: 35W Max.

## PHYSICAL/ENVIRONMENTAL

Dimensions (approx): 388 x 395 x 187 mm  
 Weight (approx): 6.5Kg.  
 Housing: Painted Steel (Storm Grey)  
 Operating Temp: 0 to 50°C  
 Storage Temp: -20 to 60°C

## PART NUMBERS

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

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged. 19lm151(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
- Rugged Metal Construction with Good Stability
- Also Rack/Panelmount, Heads & Chassis versions

The **19LM151(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) The heavy-duty stand has the AC power supply in its base.

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

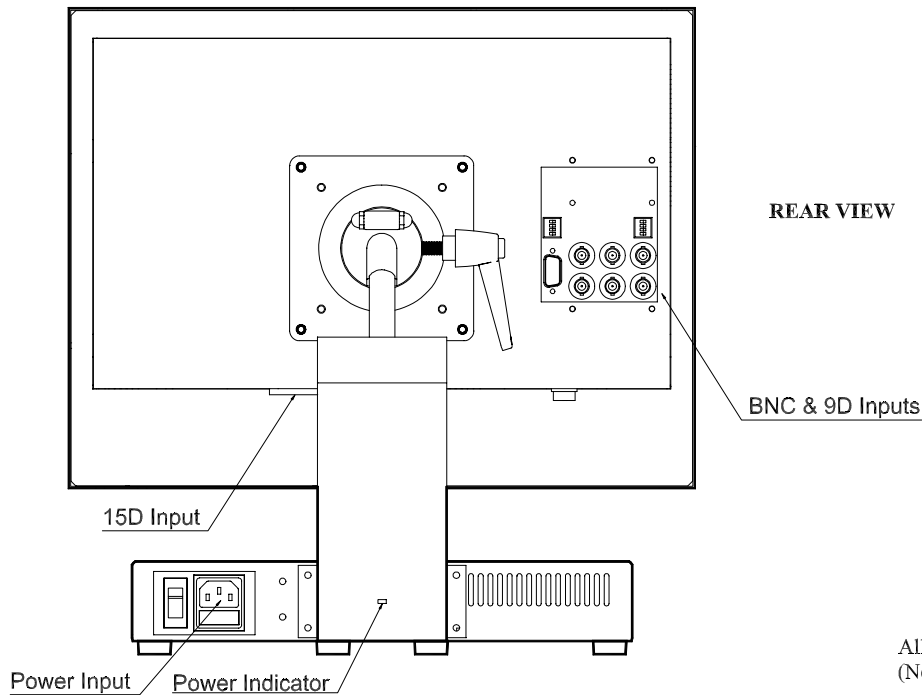
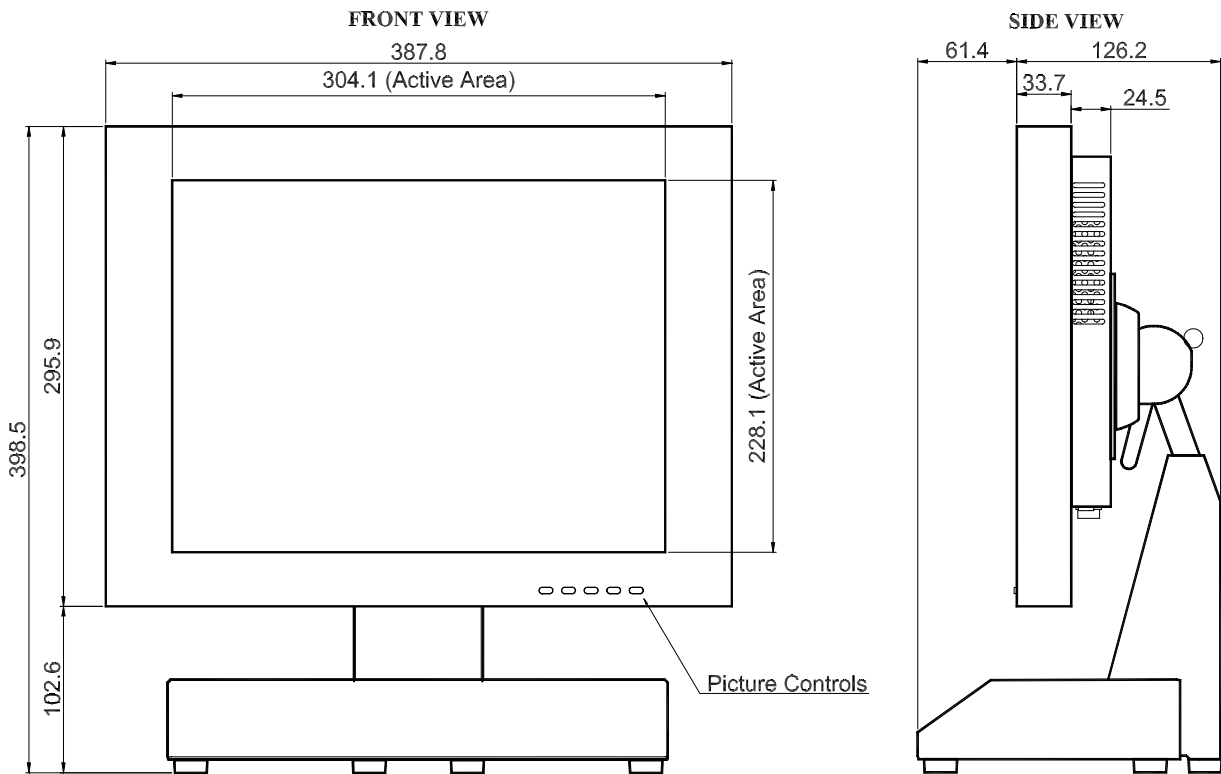


INTELLIGENT DISPLAY SOLUTIONS



# 19LM151(51UN) SERIES

# 15.0" TFT MONITOR



All dimensions in millimetres  
(Not to scale)

19lm151(51un)2

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