FLAT PANEL MONITORS

19LM151(51UN) SERIES	15.0" SLOW SCAN LCD MONITORS

XGA and Old Legacy Signals

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:	250cd/m² typical
Contrast Ratio:	450:1 typical
Viewing Angles:	130º H, 110º V

SIGNAL INPUTS

RGB Signal :	Analog RGB 0.7-1.0Vp-p OR TTL RGB >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: (see table examples)	Pre-programmed Analog or TTL 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: (On Screen Display) buttons at front)	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine

POWER INPUTS

AC Model:	110/230V 50/60Hz Power Pack inside base
Power Consumption:	35W Max.

PHYSICAL/ENVIRONMENTAL

Dimensions (approx):	388 x 399 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

Standard Model:	19LM151A51UN/3
Touchscreen Model	19LM151AR51UN/3

- **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 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 15.1" series) The heavy-duty stand has the AC power supply in its base.
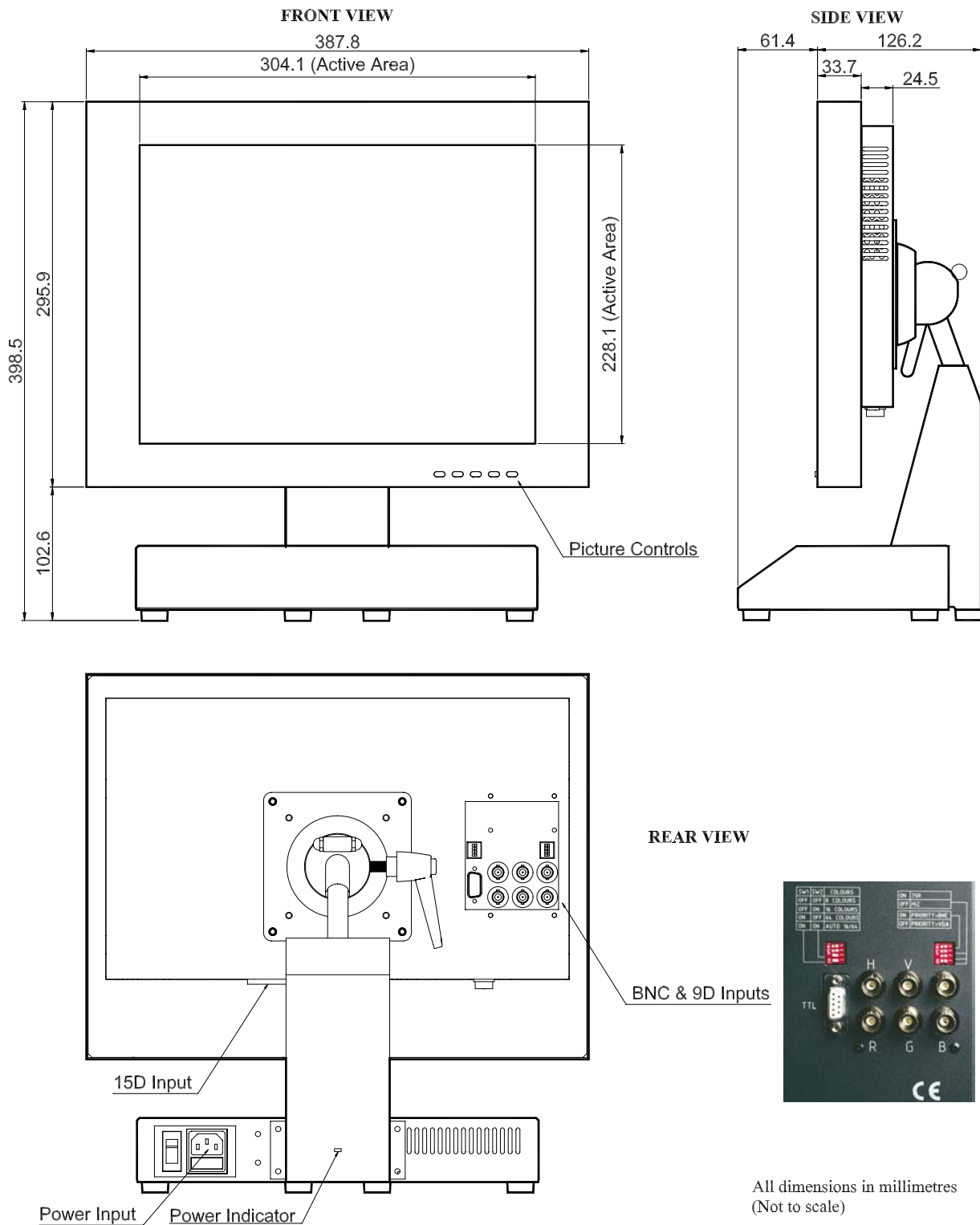
By special development of our Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 25+ years of CRT monitor manufacturing, KME has created a Universal flat panel monitor with unique 15kHz to 60kHz display capabilities. Some common Slow Scan Signal 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

KME

19LM151(51UN) SERIES   15.0" TFT MONITOR

FRONT VIEW

387.8

304.1 (Active Area)

228.1 (Active Area)

398.5

295.9

102.6

Picture Controls

SIDE VIEW

61.4   126.2

33.7   24.5

REAR VIEW

BNC & 9D Inputs

15D Input

Power Input   Power Indicator

All dimensions in millimetres
(Not to scale)

19lm151(51un)2   04/2004

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