High Quality, Slow Scan Legacy System Replacements

The 29LP151A571UN/3 Series of 15" LCD monitors has been designed primarily for Slow Scan Legacy Systems as replacements for CRT monitors. They utilize a modern XGA TFT 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.

By special development of our own Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 30+ years of CRT monitor manufacturing, KME has created a Multiscan ("Universal") flat panel monitor with unique 15kHz to 60kHz display capabilities. Some common Slow Scan Signal timings are factory pre-set. (see table below) 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.

Features

• Accepts signal types CGA, EGA & all VESA standards up to SXGA. TTL, analog & interlaced signals accepted

• KME have developed a deep diming solution for the slow scan range which provides smooth consistent diming 100% to 0%

• All monitors have BNC, 9-D & 15-D connectors

• The LCD monitor has been designed with solidity, being housed in a compact metal construction with a toughened glass protection screen

Slow Scan Support - examples

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

15" Slow Scan LCD Panel Mount Monitor 29LP151A71UN-1

Specifications		
TFT Charateristics	Type Max. Resolution Active Display Area Contrast Ratio Brightness Viewing angles (at CR>10) Backlight life Nr. of colours Clock Rate	AM Colour TFT 1024 x 768 pixels 304 X 228 mm 450:1 typical 250 cd/m^2 typical 130°H, 110°V 50,000 hrs typical 16M 112MHz max
Sync. Type/Level	Separate H&V (+/-ve) TTL	or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V
Signal Sync	Analog RGB 0.7-1.0Vp-p or TTL RGB >2.75Vp-p	
Synchronisation Range	Horizontal scan Vertical scan	15-60kHz 40-100Hz
Power supply	90 - 260V AC 50/60Hz	Power Pack inside base
Power consumption	35W (Max)	
Environmental	Storage temp. Operating temp.	-20°C to 60°C 0°C to 50°C
Dimensions	Monitor	see dimensional drawing below
	Weight	6.5 kg
Input	15D BNC x5, 9D	
Housing	Painted aluminium	
User controls	Front mounted	
On screen buttons	Brightness,Contrast, H/V Position & Size, Frequency, Frequency Fine	
Part numbers		
Model	29LP151A71UN/1	

Specifications are subject to change without notice.

FRONT VIEW 12.1" & 15.0"

FRONT VIEW 17.0" & 19.0"

Design Notes:
1. 1. Panel Colour is normally RAL 7035.
2. 2. Panel /Rack Metal Thickness is 3mm

Dimensions (mm)	PANEL MOUNT			
	12.1"	15.0"	17.0"	19.0"
A	302	342	400	400
B	380	428	483	483
C	180.5	206	130	130
D	143	163	150	150
E	55	60	55	60
G (Panel Hole)	264	298	334	366
H (Panel Hole)	343	390	404	436
J (Fixing Studs)	-	-	384	384
K (Fixing Studs)	-	-	467	467

- **Monitors**
  Desktop Monitors
  Large screen Monitors
  Custom-made Monitors
  19" Rack Mount Monitors
  Rear Mount Monitors
  Monitors for Panel Mount
  Monitors for VESA Mount
  Kiosks
  Accessories

- **Monitors – Specific applications**
  Stainless Steel Monitors
  Car Displays
  Marine Monitors
  Military Monitors
  Replacement Monitors
  Train Monitors

- **Panel PC's**
  High Performance Systems
  Custom made Panel PC's
  Low Power Systems
  Extreme environments
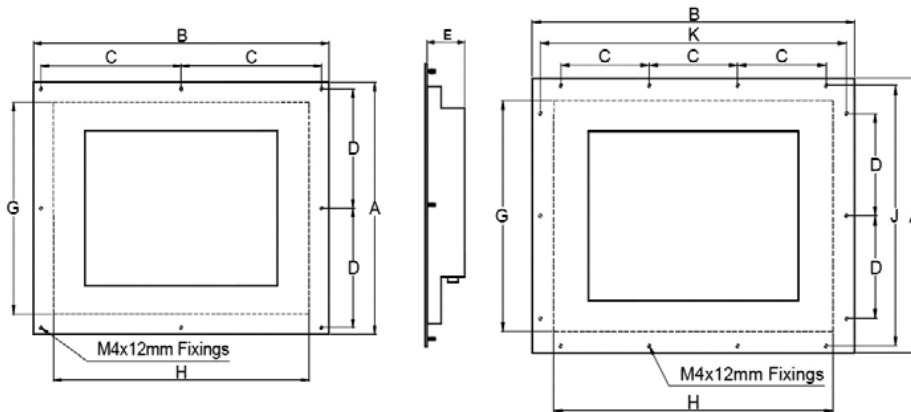
- **Pointing devices**
  Accessories
  Touchpads
  Trackballs
  Trackball Modules
  Joysticks
  Custom made Pointing Devices

- **Keyboards**
  Desktop Keyboards with or without pointer
  Built-in Keyboards with or without pointer
  Cables & Connectors
  Custom made Keyboards