

# 15" SLOW SCAN LCD PANEL MOUNT MONITOR

## 29LP151A71UN/1

## 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.

### SOLUTIONS FOR SLOW SCAN MONITORS

- > **Specially designed for slow scan signals**  
Accepts signal types CGA, EGA & all VESA standards up to SXGA. TTL, analog & interlaced signals accepted
- > **Deep dimming capability**  
KME have developed a deep dimming solution for the slow scan range which provides smooth consistent dimming 100% to 0%.
- > **Inputs**  
All monitors have BNC, 9-D & 15-D connectors
- > **Rugged metal construction with good stability**  
The LCD monitor has been designed with solidity, being housed in a compact metal construction with a toughened glass protection screen.



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

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# DATASHEET

Electrical Description		Mechanical Description	
<b>TFT Characteristics:</b>		<b>Dimensions:</b>	Weight: 6.5Kg
Type:	AM Colour TFT	<b>Input:</b>	15D BNC x5, 9D
Max Resolution:	1024 x 768 pixels	<b>Housing</b>	Painted aluminium
Active Display Area:	304 x 228 mm	<b>User Controls:</b>	Front Mounted
No. Colours:	16 million	<b>On Screen buttons</b>	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine
Contrast Ratio:	450:1 typical		
Brightness:	250cd/m <sup>2</sup> typical		
Viewing Angles (at CR>10):	130 o H, 110 o V		
Backlight Life:	50,000 hours typical		
Clock Rate:	112MHz max		
<b>Sync. Type/Level:</b>	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V		
<b>Signal Sync:</b>	Analog RGB 0.7-1.0Vp-p or TTL RGB >2.75Vp-p		
<b>Synchronisation Range:</b>			
Horizontal scan:	15-60kHz		
Vertical scan:	40-100Hz		
<b>Power Supply:</b>	90-260V 50/60Hz Power Pack inside base		
<b>Power Consumption:</b>	35W Max	<b>Part Numbers:</b>	
<b>Environmental:</b>		Panel Model:	29LP151A71UN/1
Storage Temp:	-20 to 60°C		
Operating Temp:	0 to 50°C		
Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trademarks acknowledged.			

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