

High Quality, slow scan legacy system replacements

The 29LS1901E51UN/3 Series of 19.0" LCD monitors has been designed primarily for Slow Scan Legacy Systems as replacements for 20"/21" CRT monitors. They utilize a modern SXGA TFT (1280 x 1024 pixels) panel and a KME-designed Analog-Digital interface board. All elements, including mounting brackets have been packaged in a compact metal chassis that is ready for integration into a panel or enclosure. All controls are located at the rear.

By special development of their 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 80kHz 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. The monitor is also available in rack, panel mount, desktop and head versions.

Features

- Accepts signal types CGA, EGA & all VESA standards up to SXGA. TTL, analog & interlaced signals accepted
- KME have developed a deep dimming solution for the slow scan range which provides smooth consistent dimming 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

*19" Slow Scan LCD Chassis Monitor
29LS1901E51UN-3*



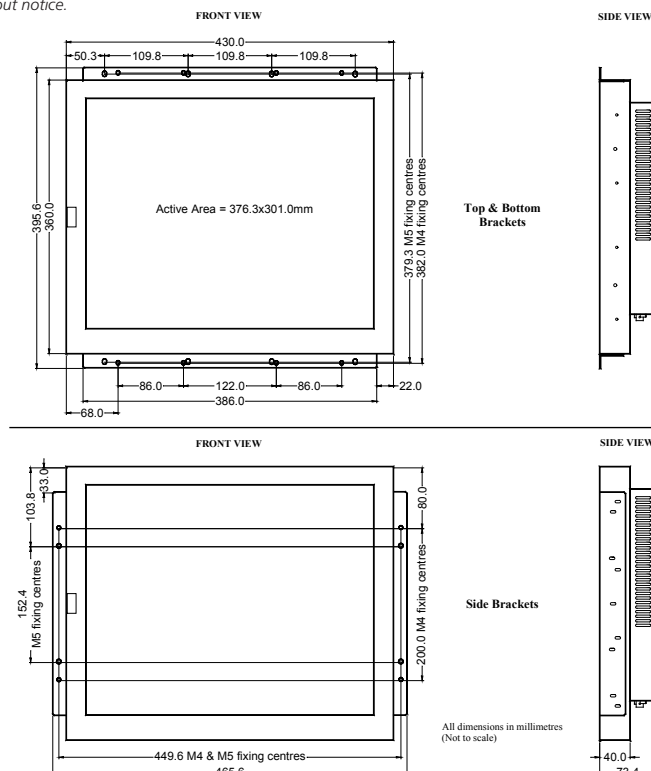
Slow Scan Support - examples

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

Specifications: see next page

Specifications		
TFT Characteristics	Type	AM Colour TFT
	Max. Resolution	1280 x 1024 pixels
	Active Display Area	376 x 301 mm
	Response Time	15ms average, typical
	Contrast Ratio	1000:1 typical
	Brightness	250 cd/m ² typical
	Viewing angles (at CR>10)	178°H, 178°V with CR≥10
	Backlight life	50,000 hrs typical
Nr. of colours	16 million	
Video Signal	Analog RGB 0.7-1.0Vp-p	or TTL >2.75Vp-p
Signal Sync	Separate H & V (+ve) TTL	or Composite (-ve) TTL or Sync- on - Green (-ve) 0.3V
Synchronisation Range	Horizontal scan	15 to 80kHz
	Vertical scan	40 to 100Hz
Slow Scan Support <i>See examples table on previous page</i>	Pre-programmed Analog or TTL inputs in 15-40kHz range	
Clock rates	150MHz	
Display Modes	640 x 480 VGA	1024 x 768 XGA
VESA Support	800 x 600 SVGA	1280 x 1024 SXGA <i>(recommended)</i>
Power supply	12.0V	
Power consumption	50W (Max)	
Environmental	Storage temp.	-20°C to 60°C
	Operating temp.	0°C to 50°C
Dimensions	Monitor	430 x 396 x 73.4mm
	Weight	9 kg approx
Input	9D, 15D, BNC x 5	
Housing	Painted aluminium	
User controls	Rear mounted	
On screen buttons	Brightness, Contrast, Auto set-up Disable, H/V Position, Clock, Clock Phase and Priority	
Part numbers		
Model	29LS1901E51UN/3	
Side Bracket model	29LS1901UN001/3	
AC Power Pack	20BK0234H	

Specifications are subject to change without notice.



• 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



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Contact details:

The Netherlands
Mulder-Hardenberg B.V.
Westerhoutpark 1a
2012 JL Haarlem
Tel.: +31 23 531 91 84
infol@mh-h.biz

Belgium, France, Luxemburg
Mulder-Hardenberg N.V.
Hoge Weg 129
B-2940 Stabroek
Belgium
Tel.: +32 3 660 13 20
info@mh-h.biz

Germany
Mulder-Hardenberg GmbH
Nordring 13
D-65719 Hofheim/Ts
Tel.: +49 6192 - 97 91 85
info@mh-h.biz