

# FLAT PANEL MONITORS

## 29LV121(71UN) SERIES

## 12.1" LCD MODULES

### DISPLAY

Type:	AM Colour TFT
No. Colours:	256k
Max. Resolution:	800 x 600 pixels
Active Display Area	246 x 184.5 mm
Backlight:	Dual Edge CFL x 2
Backlight Life:	50,000 hours typical
Brightness:	400cd/m <sup>2</sup> typical
Contrast Ratio:	500:1 typical
Viewing Angles:	140°H, 110°V

### SIGNAL INPUTS

Video:	Analog RGB 0.7V p-p OR TTL RGB >2.75Vp-p (via special TTL accessory cable)
Input Connectors:	5 x BNC 75R 15-pin HD Female
Sync. Type/Level:	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V
Multiscan Support:	800 x 600 SVGA 640 x 480 VGA 640 x 400 640 x 350 + other pre-programmed timings in 15-30kHz range
Horizontal Scan:	15 – 60kHz
Vertical Scan:	40 – 100Hz
Clock Rate:	80MHz max.
Controls: (On Screen Display buttons at rear)	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine

### POWER INPUTS

DC Model:	12Vdc (24Vdc option)
Power Consumption:	30W Max.

### PHYSICAL / ENVIRONMENTAL

Front Panel:	Black Painted Aluminium
Dimensions (approx):	340 x 268 x 55mm
Weight (approx):	3.8kg. approx.
Operating Temp:	0 to 50°C
Storage Temp:	-20 to 60°C

### PART NUMBERS

Standard Model	29LV121E71UN (12Vdc)
AC Power Pack	20BK0220/1

### CRT Monitor Replacements



- **For 14" CRT Monitor Replacement**
- **Front Plate to suit 14" CRT Fixing Lugs**
- **Original CRT Chassis Stays in Place**
- **Analogue + TTL Video inputs via BNC/9D/15HD**
- **Non-standard Legacy signals easily programmed**
- **Non-Glare Tempered Glass for TFT protection**
- **Optional Touchscreen Integration**

The 29LV121E51UN Industrial LCD monitor has been designed as replacement for 12" CRT monitors now that supplies of 14" CRTs are difficult to obtain.

KME has designed a rugged LCD monitor module, of minimum width, to match the dimensions of many 14" CRT monitor chassis.

When the CRT is removed from the existing chassis metalwork the LCD monitor (mounted on a metal panel with fixing holes to match the CRT Lugs ) can be fitted in place.

A wide range of signal timings from 15kHz up to VGA standard, including CGA & EGA legacy signals can be accepted by the LCD monitor. Set-up controls for fine-tuning of the display are located at the rear of the monitor. Once set, no further adjustments should be required, and the last setting is stored in memory.

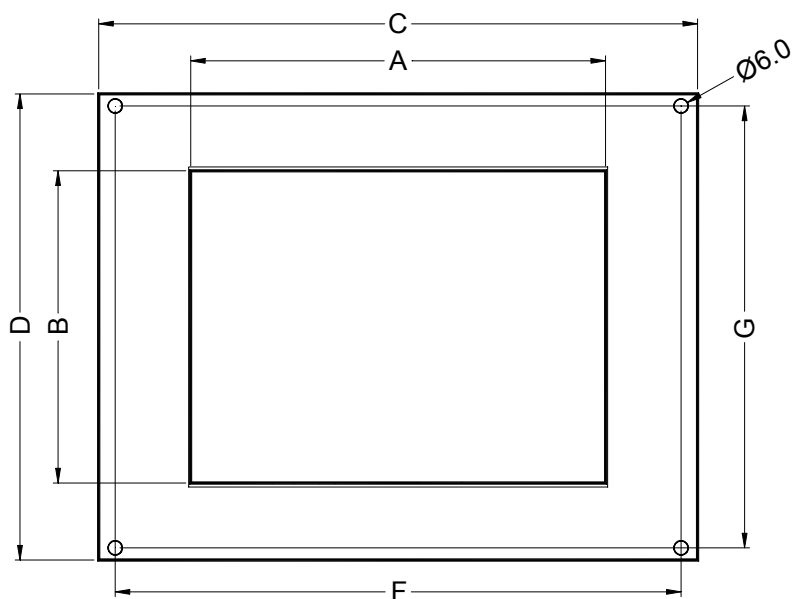
Note: The Active Display Area on a 14" Colour CRT is typically 260 x 195mm. On the 12.1" TFT it is 246 x 184.5mm.

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged. 29lv121(71un)1 03/2006

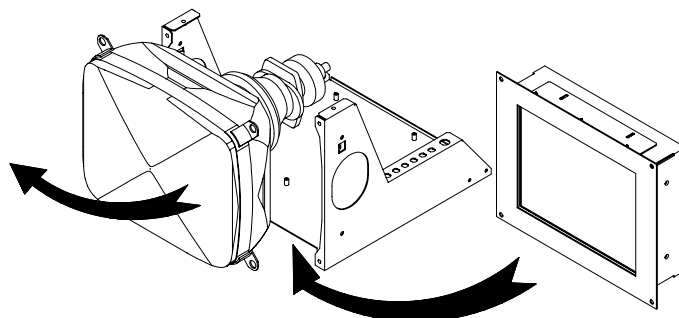
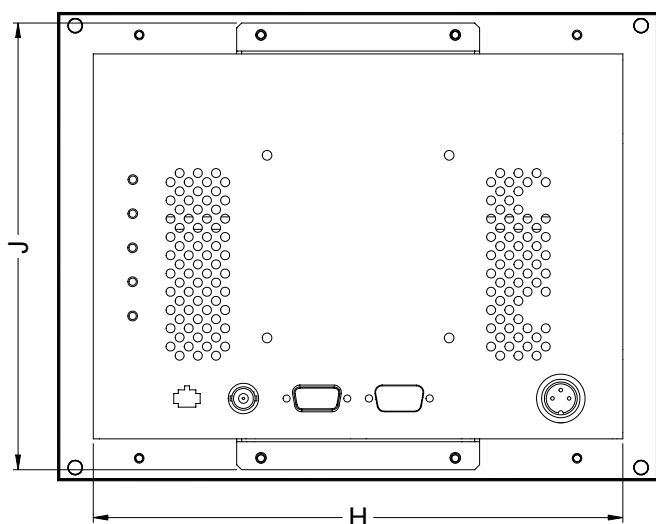
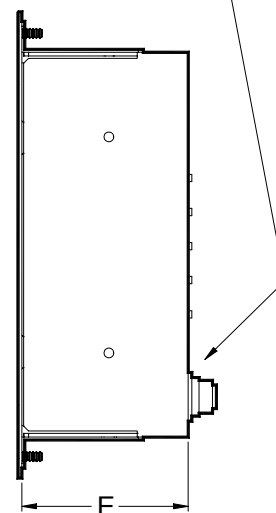


## 29LV SERIES

## LCD/CRT REPLACEMENTS (8.4", 10.4", 12.1")



All controls & inputs on rear.



CRT/LCD REPLACEMENT			
CRT	10"	12"	14"
LCD	29LV081(8.4")	29LV101(10.4")	29LV123(12.1")
A	170.9	211.2	246.0
B	128.2	158.4	184.5
C	246.6	289.2	329.3
D	191.4	225.7	260.7
E	68.5	68.5	55.0
F	233	272.0	311.4
G	181.5	211.8	243.2
H	222	257.6	294.0
J	183.5	221.9	238.0

All dimensions in Millimetres  
(Not to scale)

29lv0812-2

09/2005

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