

# FLAT PANEL MONITORS

## 19LM211(31MP) SERIES

## 21.3" MULTISCAN DESKTOP MONITOR

### DISPLAY

Type:	AM Colour TFT
No. Colours:	16 million
Max. Resolution:	1600 x 1200 pixels
Active Display Area:	432 x 324 mm
Backlight Life:	50,000 hours typical
Brightness:	250cd/m² typical
Contrast Ratio:	300:1 typical
Viewing Angles:	85° Left; 85° Right 85° Up; 85° Down
Response Time:	5ms rise/20ms fall typical

### SIGNAL INPUTS

#### Input A:

Video:	Analog RGB 0.7-1.0Vp-p
Input Connector:	15-pin HD Female and 5 x BNC
Sync. Type/Level:	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V

#### Input B:

Video:	PAL or NTSC standard
Input Connectors:	BNC (75R)
Sync. Type/Level:	Composite (CVBS) 1V p-p
Multiscan Support:	1600 x 1200 UXGA 1280 x 1024 SXGA 1024 x 768 XGA 800 x 600 SVGA 640 x 480 VGA
Horizontal Scan:	31-106 KHz
Vertical Scan:	56-85 Hz
Clock Rate:	146.6 MHz max.
Controls: (On Screen Display buttons at front )	Brightness, Contrast, Autoset, H/V Position & Size, Tuning, Colour

### POWER INPUTS

AC Model:	110/230V 50/60Hz Internal Power Supply
Power Consumption:	85W Max.

### PHYSICAL/ENVIRONMENTAL

Dimensions (approx):	483 x 478 x 187mm
Weight (approx):	11 Kg.
Housing:	Painted Aluminium (Storm grey)
Operating Temp:	0 to 40°C
Storage Temp:	-20 to 60°C

### PART NUMBERS

Desktop Model:	19LM211A31MP
RGB plus	29LM211A31MP

### PAL/NTSC and UXGA model



- **UXGA Resolution (1600 x 1200 pixels)**
- **PAL/NTSC Video with PIP facilities**
- **5 x BNC plus HD 15 way “D” connector**
- **Rugged Metal Head with VESA Fixings**
- **High Brightness & Wide Viewing Angles**
- **Automatic Image Size Adjustment**
- **Serial Port Control of OSD Functions**
- **Also available with Desktop stand**

KME has developed this 21.3" Desktop model, within the popular 19LM series of LCD monitors, to address the growing demand for a monitor that is capable of displaying PAL/NTSC video and UXGA to VGA resolution data signals.

The **19LM211(31MP)** series has this capability. Two separate signal sources (e.g. Camera/VCR + Computer RGB) can be connected simultaneously and automatically switched full screen, on a Priority basis. Alternatively the video images may be presented as a “Picture in Picture” over a data image. This selection is set-up by the sophisticated OSD controls that also validate the picture zoom, roll, and freeze frame features. Remote access to the OSD controls is also available via the RS232 serial port.

The combination of a highly flexible PAL/NTSC video interface and a VGA to UXGA data display makes this monitor the perfect choice for process control system integrators.

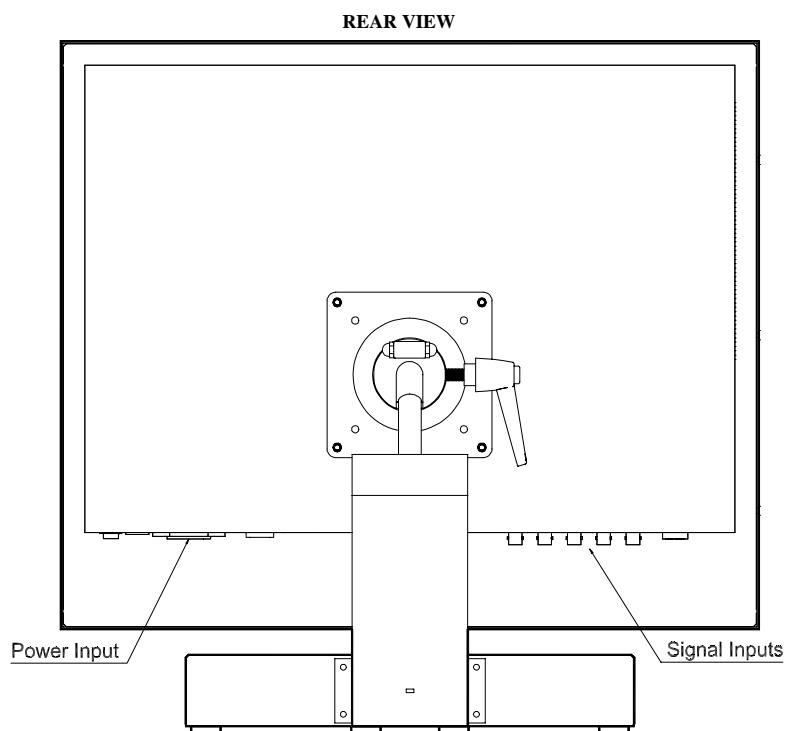
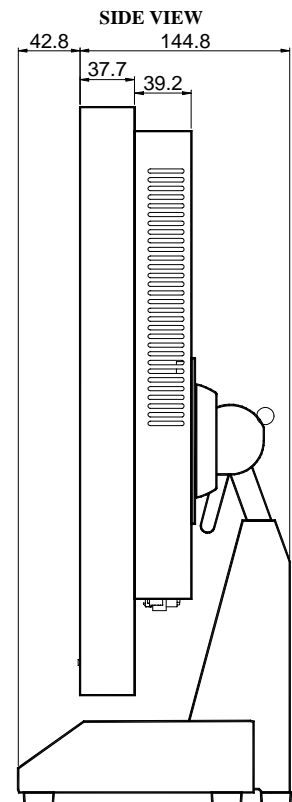
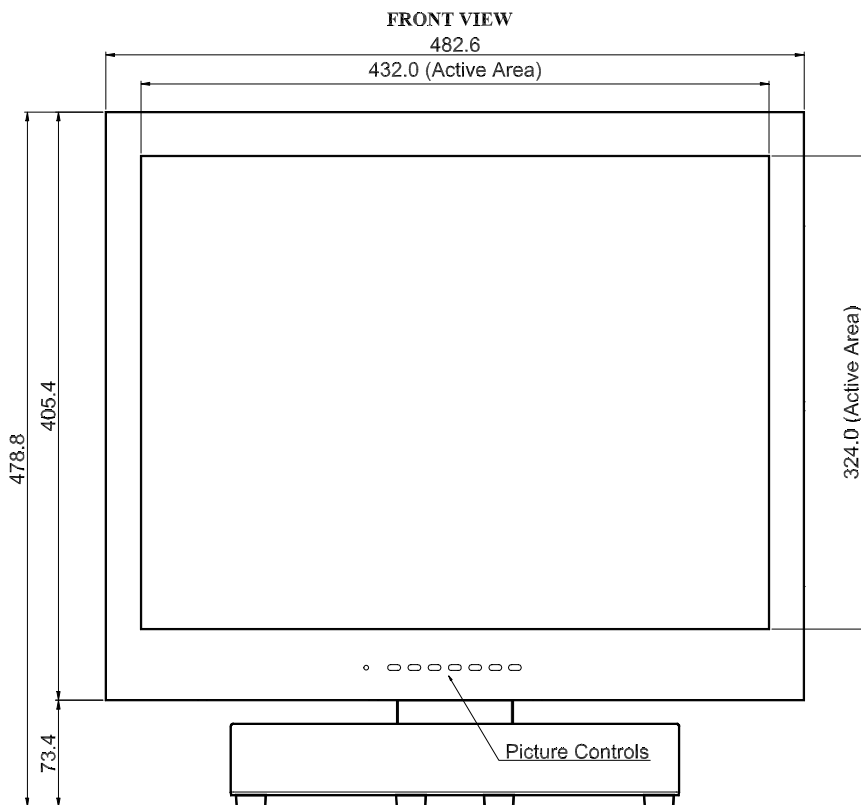
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MONITORS & DISPLAY MODULES



INTELLIGENT DISPLAY SOLUTIONS



**19LM211(31MP) SERIES****21.3" MULTISCAN DESKTOP LCD MONITORS**

All dimensions in millimetres  
(Not to scale)

19lm211(31mp)2

04/2004

**Kent Modular Electronics Limited**  
611 Maidstone Road, Rochester, Kent ME1 3QL, UK  
Tel: +44 (0) 1634 830123 Fax: +44 (0) 1634 830619  
E-mail: [sales@kme.co.uk](mailto:sales@kme.co.uk) URL: <http://www.kme.co.uk>