

# Ikegami

HIGH RESOLUTION MEDICAL COLOR LCD MONITOR

## MLM-1910C



**It realizes the true color reproduction and the high resolution video image, which are required in the medical field.**

High resolution 1280(H) x 1024(V) dots(SXGA) 16.7M full color(8bit x 3COLOR), maximum brightness 450cd/m<sup>2</sup> display.

It produces natural video display with reducing image lagging by the Overdrive Circuit and the Jaggy-less IP conversion.

Furthermore, it complies with the required safety approvals for medical use.

And it is available to equip the touch panel as optional, which can be used widely in the medical field use.

## True color reproduction

As it realizes the same color reproduction performance and the same gamma characteristics of 2.2 with CRT, it produces true color reproduction which is required in a medical field.

## High resolution video images

It displays high resolution video images by employing 19-inch type 1280 (H) X 1024 (V) dot (SXGA) panel.

## High brightness and wide view angle

It is 450 cdm<sup>2</sup> of high brightness performance. A clear image can be displayed under the various environments.

It realizes a wide view angle of upper-bottom and left-right 170°. An installation place isn't chosen because it can be confirmed from the various angles.

## Low image lagging

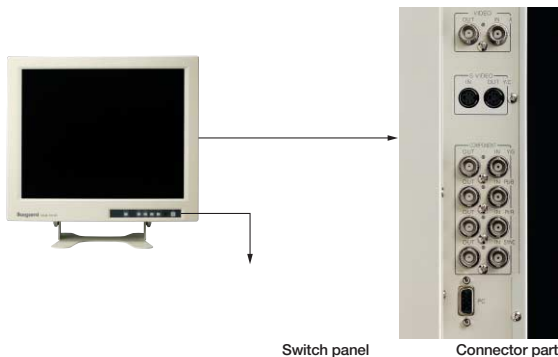
A Higher response time of the LCD in addition to a built-in Overdrive Circuit reduces lagging image.

## Jaggy-less IP converting

It displays natural image without aliasing of NTSC and PAL TV signal by the jaggy-less Interlace-Progressive converter.

## Various input

Not only Composite input and S-VIDEO input (NTSC and PAL), but also RGB input, Analog PC input (D-sub only) and HDTV component input as standard.



Switch panel

Connector part

## Sheet switch adoption

Sheet switch is adopted in the switch panel for cleaning and drip-proofness.

## Easy operation

The setup items (brightness, contrast and user setup memory) which are used frequently can be called easily only by pushing enter button.

## User setup memory

It can register the setup of White Balance, Contrast, Brightness, and so on as the user setup memory. It can call by the easy panel operation. And 5 pre-set can be registered.

## VESA Mount

It can be installed easily with arm mounting, wall mounting, ceiling mounting, and so on by the VESA standard of 100mm holes clearance.

## Liquid crystal protection panel

It is mounted "Liquid Crystal Protection Panel" which is 99% transmissivities to protect liquid crystal panel face.

Even if it is mounted with a protection panel, it does not lose its brightness and its quality. And reflection can be prevented by a double AR coating.

## Touch panel (option)

The touch panel (more than 90% transmissivities) of the supersonic surface acoustic wave method can mount by the option.

\* It can't be used together with the liquid crystal protection panel.

## Specifications

LCD Panel	Size: 19-inch Effective size maximum 376 (H) x 301 (V) mm View Angle : Up-Down, Left-Right 170° Maximum Brightness: 450cd/m <sup>2</sup> (Typ.) Resolution : Maximum 1280 (H) x 1024 (V)
Input Video Signal	NTSC/PAL signal Signal and connector VBS x 1 channel : Analog :BNC (loop through) Y/C x 1 channel : S terminal (loop through) RGB, C-Sync x 1 channel each : BNC (loop through) Level V : 0.7Vp-p, S : 0.3Vp-p and C-Sync (RGB) : 1-4V Polarity V : straight polarity, S : negative polarity, C-Sync (RGB) : negative polarity Impedance 75 ohms ±5% Component Signal and connector Y, Pb, Pr, C-Sync x 1 channel each : BNC (loop through) Level V : 0.7Vp-p, S : 0.3Vp-p Polarity V : straight polarity, S : negative polarity C-Sync : negative polarity Impedance 75 ohms ±5% PC input signal (analog) Signal and connector R, G, B, Hs and Vs : D-Sub 15pin Level V : 0.7Vp-p, S : 0.3Vp-p, Hs/Vs : TTL Polarity V : proper polarity, S : negative polarity, Hs/Vs : proper or negative Impedance Video : 75 ohms ±5%, Hs/Vs:1K ohms ±5%
Safety Approvals	Comply with UL60601-1, CSA22.2No.60601.1 and EN60601-1
EMC	Comply with FCC Class A , EN60601-1-2 and VCCI Class A.
Power supply/ Power consumption	AC100V-120V, 200 - 240V±10% / maximum 70W
Ambient Temperature	5°C to +35°C (41.0°F to 95.0°F)
Dimensions	W446 X H385 X D102.8mm (17.56 X 15.16 X 4.05 inch) (It does not contain a stand and protruding portions.)
Weight	7.6kg (16.72lbs) approx. (only a main body)
Option	TS-01 Desktop Stand IK-LCD75-100-B Wall Mount Bracket, Tilt & Swivel 180 Degrees. Touch panel (MLM-1910C (T) at Factory Option)
Input Signal	

