

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor.

General Specification

Display	Screen Type	60.9 cm (24 inch) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 60.9 cm
	Pixel Pitch	0.277 mm x 0.277 mm (Pixel Pitch)
Sync Input	Horizontal Frequency	30 kHz to 83 kHz (Automatic)
	Vertical Frequency	56Hz to 75Hz (D-SUB, DVI-D)
	Input Form	Separate Sync. Digital
Video Input	Signal Input	15 pin D-SUB Connector /DVI-D Connector (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max	D-SUB(Analog) : 1920 x 1080 @ 60 Hz DVI(Digital) : 1920 x 1080 @ 60 Hz
	Recommend	VESA 1920 x 1080 @ 60 Hz
Plug & Play	DDC 2B(Analog,Digital)	
Power Consumption	On Mode : 25 W(Typ.) Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
Power Input	19 V $\equiv$ 1.6 A	
AC-DC Adapter	Type ADS-40SG-19-3 19032G,manufactured by HONOR ELECTRONIC or type ADS-40FSG-19 19032GPG-1,manufactured by HONOR ELECTRONIC or type ADS-40FSG-19 19032GPBR-1,manufactured by HONOR ELECTRONIC or type ADS-40FSG-19 19032GPI-1,manufactured by HONOR ELECTRONIC or type ADS-40FSG-19 19032GPCU-1,manufactured by HONOR ELECTRONIC or type LCAP21A,manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or type LCAP26A-A,manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or type LCAP26A-E,manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or type LCAP26A-I,manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or type LCAP26A-B,manufactured by LIEN CHANG ELECTRONIC ENTERPRISE OUTPUT: 19V $\equiv$ 1.7A	
Dimensions (Width x Height x Depth)	With Stand	56.7cm x 41.8 cm x 18.1cm
	Without Stand	56.7cm x 34.3 cm x 5.7 cm
Weight	3.8 kg	
Tilt Range	-5° to 20°	
Environmental conditions	Operating Temperature	10°C to 35 °C
	Operating Humidity	10 % to 80 %
	Storage Temperature	-20°C to 60 °C
	Storage Humidity	5 % to 90 % non-Condensing
Stand Base	Attached (), Detached (O)	
Power cord	Wall-outlet type	

Product specifications shown above may be changed without prior notice due to upgrade of product functions.

EUT Operating Conditions

- a. Setup the EUT and Peripherals as shown in Sec. 3.2 of the test report.
- b. Turn on the power of all equipment and the EUT.
- c. Set the contrast & brightness of EUT to maximum.
- d. PC system ran the self-test program "EMC Test" by windows XP and sent "H" characters to EUT through graphic card (we use white letters on a black background to represent all colors), the EUT's screen displayed and filled with "H" pattern by its resolution (Via D-Sub/DVI Input).
- e. Repeat above procedure from c to d for difference test mode.
- f. The other peripherals devices were driven and operated during the test.
- g. The test modes are as follows:

Adapter	Test Mode
Adapter #1	D-Sub 1920*1080@60Hz
	DVI 1920*1080@60Hz
	DVI 1680*1050@60Hz
	DVI 1280*1024@75Hz
	DVI 640*480@60Hz
Adapter #2	DVI 1280*1024@75Hz

NOTE: We tested the EUT with adapter #1, then selected the worst test mode to perform test with other adapters.