

Equipment Description

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

General Specification

Display	Screen Type	58.4 cm (23 inch) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 58.4 cm
	Pixel Pitch	0.265 mm x 0.265 mm (Pixel Pitch)
Sync Input	Horizontal Frequency	30 kHz to 83 kHz (Automatic)
	Vertical Frequency	
	E2351T	56Hz to 75Hz (Automatic)
	E2351VR / E2351VQ	56Hz to 75Hz (D-SUB, DVI-D) 56Hz to 61Hz (HDMI)
	Input Form	
	E2351T	Separate Sync. Digital
	E2351VR / E2351VQ	Separate Sync. Digital. HDMI
Video Input	Signal Input	
	E2351T	15 pin D-SUB Connector / DVI-D Connector (Digital)
	E2351VR / E2351VQ	15 pin D-SUB Connector / DVI-D Connector (Digital) HDMI (TYPE - A) Connector
	Input Form	
	E2351T	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	E2351VR / E2351VQ	RGB Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI
	Max	
	E2351T	D-SUB(Analog) / DVI (Digital) : 1920 x 1080 @ 60 Hz
	E2351VR / E2351VQ	D-SUB(Analog) : 1920 x 1080 @ 60 Hz DVI(Digital) / HDMI(Digital) : 1920 x 1080 @ 60 Hz
Plug & Play	Recommend	VESA 1920 x 1080 @ 60 Hz
	E2351T	DDC 2B(Analog, Digital)
	E2351VR / E2351VQ	DDC 2B(Analog, Digital, HDMI)

Power Consumption	On Mode : 27 W(Typ.) Sleep Mode $\leq$ 0.5 W Off Mode $\leq$ 0.5 W	
Power Input	19 V  1.6 A	
AC-DC Adapter	Type ADS-40SG-19-3 19032G, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP21A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE	
Dimensions (Width x Height x Depth)	With Stand	54.9 cm x 18.6 cm x 41.3 cm
	Without Stand	54.9 cm x 3.3 cm x 33.5 cm
Weight	2.9 kg	
Tilt Range	-5° to 15°	
Environmental conditions	Operating Temperature	10°C to 35 °C
	Operating Humidity	20 % to 80 % non-Condensing
	Storage Temperature	-10°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/HDMI 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 640*480@60Hz
	D-Sub 1280*1024@75Hz
	D-Sub 1680*1050@60Hz
	D-Sub 1920*1080@60Hz
	DVI 640*480@60Hz
	DVI 1280*1024@75Hz
	DVI 1680*1050@60Hz
	DVI 1920*1080@60Hz
	HDMI 640*480@60Hz
	HDMI 1280*1024@75Hz
	HDMI 1680*1050@60Hz
	HDMI 1920*1080@60Hz
Adapter #2	D-Sub 640*480@60Hz
Adapter #3	D-Sub 640*480@60Hz
Adapter #4	D-Sub 640*480@60Hz

NOTE: We tested the EUT with adapter #1 and selected the worst test mode to perform test with adapter #2/#3/#4.