

Stylish, incredibly thin multimedia LCD monitor and full function television all in one.

A computer monitor never looked so good, or did so much.

LCD TV Monitor

LL-171MU

17" Wide XGA (1,280 x 768)

LL-151MU

15" XGA (1,024 x 768)



LL-171MU **WIDE**



LL-151MU **4:3**

■ **Built-in TV Tuner lets you watch high resolution TV without having to start up your PC**

This display is both a full function LCD TV with TV tuner, and a superior quality LCD computer monitor. You can easily connect any video source including DVD players, VCR's, camcorders, Cable or Satellite TV, in addition to your personal computer.

■ **Incredibly thin space saving design for easy portability**

A built-in carrying handle lets you easily carry the monitor to different rooms in the house. A protective panel is provided (LL-171MU) to ensure bright pictures and protect against bumps and scratches when moving the monitor.



■ **Environment-friendly design and Power Save mode**

With a touch of a button on the remote control, these monitors can be switched to power saving mode that reduces unnecessary screen brightness and lowers power consumption. They also place less burden on the environment than ever before, with the use of non-halogen material for the main unit cabinet and do not ship with Styrofoam packing.

■ **"Picture-in-Picture" function**

Enables you to check TV programs in a small screen while working on your PC.



■ **High quality picture technology for beautiful video reproduction**

① 4-line Y/C separation function (Adaptive 4-line comb filter)

Reduces moire color noise called "cross-color interference" and reproduces stable images.

② High quality picture IP conversion function for smooth reproduction of video with rapid movement (LL-171MU)

Alleviates comb noise produced at the edges of moving video when converting an interlaced scan signal to a progressive scan signal, for smooth reproduction with a high quality picture.

③ Color Transient Improvement (CTI) picture quality correction function (LL-171MU)

Corrects waveform distortion produced in the video transmission system, and displays color video with good definition.

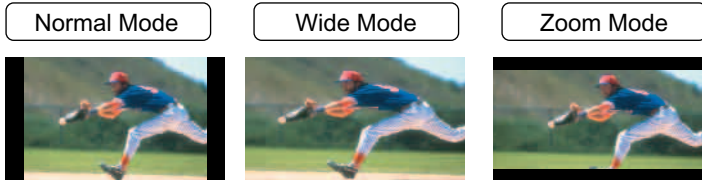
④ Equipped with a Digital Noise Reduction (DNR) function (LL-171MU)

Reduces noise contained in the picture. Realizes video with little perceptible noise.

LL-171MU **WIDE**

The 17" WXGA model enables you to enjoy DVD¹ on a wide screen.

- Employs a high-performance LCD screen that reproduces beautiful, bright images.
 - High brightness 400cd/m² Contrast ratio 600:1
Viewing angle: Horizontal 170°, Vertical 170°
 - 17-inch WXGA(1,280 x 768dots)²
 - Cable Management
- Fed up with unsightly tangled cables? The integrated cable harness neatly bundles all cables on the rear of the monitor stand.
- Reproduces glossy images using a screen protection panel.
 - Screen can be adjusted independently in two modes: PC and TV/Video.
 - Equipped with a D1 terminal for beautiful DVD display. Has two AV input channels.
 - TV/Video Mode: You can select from 3 modes to best suit the video.



- PC Mode: Equipped with 2 display modes -- "Fixed aspect ratio (Enlarged)" and "Full screen (Enlarged)."
- W17.0 x D7.2x H14.7(inch)

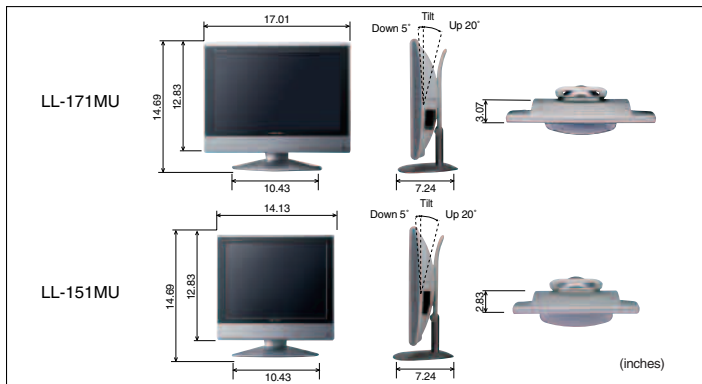
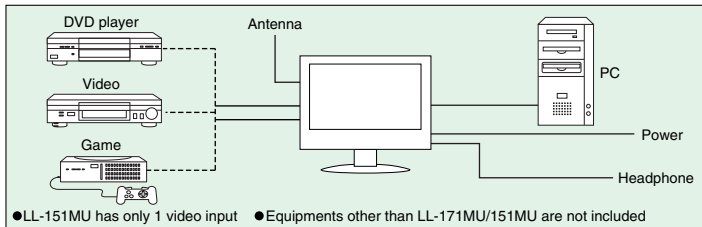
LL-151MU **4:3**

15" XGA model with 4:3 screen

- Equipped with a high-brightness LCD for bright, easy-to-see to video.
- 15-inch XGA(1,024 x 768dots)
- One AV input channel enables you to enjoy games and video.
- PC Mode: "Full screen (Enlarged)" display only.
- W14.1x D7.2x H14.7(inch)

*1: A DVD drive is not built in. To view a DVD, you must connect a commercially available DVD player. It may not be possible to connect some devices.
*2: The PC/graphic board must support 1280 x 768 mode.

System Examples



More About this Product

Using the Product

- The TFT color LCD panel used in this monitor is made with the application of high precision technology. However, there may be minute points on the screen where pixels never light or are permanently lit. Also, if the screen is viewed from an acute angle there may be uneven colors or brightness. Please note that these are not malfunctions but common phenomenon of LCDs and will not affect the performance of the monitor.
- Do not leave the screen idle for a long periods of time with a static image, as this could cause an after image to remain.
- The estimated backlight life of 50,000 hours is based on specific conditions of use. Hours of life obtained will depend on the surroundings of the monitor and actual conditions of use.

Catalog Notes

- Sharp is a participant company in the International Energy Star[®] Program. It has been determined that this product conforms to the energy efficiency standards under the relevant category set by the International Energy Star Program.
- The displays shown on the LCD monitors appearing in photographs in this catalog are simulated images.
- Product specifications are subject to change without notice. Colors of products shown in this catalog may differ slightly from actual colors due to the limitations of the printing process.
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Specifications

Model Name	LL-171MU	LL-151MU	
	17 inch TFT (43cm)	15 inch TFT (38cm)	
LCD Panel	Display resolution	WXGA (1,280 x 768 dots)	XGA (1,024 x 768 dots)
	Display size (H/V)	369.6 x 221.76mm (14.6 x 8.7in)	304.1 x 228.1mm (12.0 x 9.0in)
	Pixel pitch (H/V)	0.289mm x 0.289mm	0.297mm x 0.297mm
	Display colors	16.19 million colors (6bit + FRC)	
	Brightness	400cd /m ² (TV/AV Mode) *1 260cd /m ² (PC Mode)	300cd /m ² (TV/AV mode *1 & PC mode)
	Contrast ratio	600:1	350:1
Viewing angle	Horizontal 170° / Vertical 170° (CR≥10)	Horizontal 160° / Vertical 135° (CR>5)	
Response time	25ms		
PC Input signal	Video	Analog RGB (0.7Vp-p)[75W]	
	Sync.	Analog H/V separate input (TTL:Positive/Negative), Sync on Green, Composite Sync.(TTL:Positive/Negative)	
Video signal format	NTSC		
Functions	Auto screen adjustment	Clock, Phase, H-POS, V-POS	
	Digital scaling	Full screen at fixed aspect ratio, Full screen	Enlargement to full screen
	Plug & play	VESA DDC1/DDC2B	
	Power management	VESA DPMS	
	User controls (PC Mode)	Brightness, Black level, White balance, Contrast, Clock, Phase, Sound input select, Position (H/V), Language, Bright mode, Color mode, Volume	
	User controls (TV/AV Mode)	Brightness, Black level, Contrast, White balance, Sharpness, Channel set, MTS, Bright mode, V-chip, Closed caption, Language, MUTE, Volume, Sleep Timer	
	Picture-In-Picture (PC)	○	—
	View mode selection	○	—
	Still mode (TV/AV Mode)	○	—
	PC video	mini D-Sub 15 pin	
PC audio	Mini-Stereo Jack (φ3.5mm)		
Input signal	AV In 1	RCA, S-Video	RCA, S-Video
	AV In 2	Component(Y/Pb/Pr), RCA	—
	Audio in	RCA x 2	RCA x 1
	Security	Kensington Lock	
Channel Coverage	VHF:2-13, UHF:14-69, CATV:1-125		
Sound	Headphone	Mini-Stereo Jack (φ3.5mm)	
	Speaker	2.7W + 2.7W	
Screen tilt angle	Up 20° / Down 5°		
Free mount interface	VESA 100mm pitch	VESA 75mm pitch	
Backlight life	Approx. 50,000hours *2 Approx 25,000hours *3	Approx. 50,000hours	
Operating temperature	5°C to 35°C (41°F to 95°F)		
Dimensions (W x D x H)	17.0" x 7.2" x 14.7"	14.1" x 7.2" x 14.7"	
Weight	5.9kg (12.9lbs. w/o AC adapter & cables)	4.4kg (9.7lbs. w/o AC adapter & cables)	
Power supply	AC110-240V, 50Hz / 60Hz		
Power consumption	55W (Power save mode 2W)	35W (Power save mode 2W)	
Accessories	Analog Signal Cable (mini D-sub 15pin - mini D-sub 15pin), AC-adapter, Power cord, PC audio cable(1.8m), Cable Clamp, CD-ROM (Utility including ICC Profile for Windows [®] / Macintosh [®]), Antenna Cable(4.0m), Remote control unit, Batteries for RC (AAA), Operation Manual		
Regulatory approvals	UL, cUL, FCC, EPA-Energy Star Program		

*1 When "White Balance" is set to "Warm"

*2 When "PC Mode" and "TV/AV Mode" (Bright Mode:Normal) *3 When "Brightness" is set to max.

● VESA:Video Electronics Standards Association

● DDC:Display Data Channel ● DPMS:Display Power Management Signaling

Display Mode

Display Mode (pixels)	Horizontal Scan (kHz)	Vertical Scan (Hz)	Dot Frequency	
VESA	640 x 480	31.5kHz	60Hz	25.175MHz
		37.9kHz	72Hz	31.5MHz
	800 x 600	37.5kHz	75Hz	31.5MHz
		35.1kHz	56Hz	36.0MHz
		37.9kHz	60Hz	40.0MHz
		48.1kHz	72Hz	50.0MHz
		46.9kHz	75Hz	49.5MHz
		48.4kHz	60Hz	65.0MHz
	1,024 x 768	56.5kHz	70Hz	75.0MHz
		60.0kHz	75Hz	78.75MHz
WXGA*	1,280 x 768	47.986kHz	60Hz	81.0MHz
US TEXT	720 x 400	60.15kHz	75Hz	102.977MHz
Power Macintosh Series	640 x 480	31.5kHz	70Hz	28.3MHz
	832 x 624	35.0kHz	66.7Hz	30.2MHz
	1,024 x 768	49.7kHz	74.6Hz	57.3MHz
		60.2kHz	75Hz	80.0MHz

* WXGA 1,280 x 768 is only for LL-171MU

■ Images can not be displayed if output from the PC is in interlaced.

■ Even if the signal is in one of the compatible display mode above, the display may not appear on the screen correctly depending on the computer.

■ Frequencies for the Power Macintosh are reference values.

■ When connecting to one of the Power Macintosh Series, an adapter (commercially available) may be necessary.

■ Recommended resolution is 1,280 x 768 (LL-171MU)

■ Recommended resolution is 1,024 x 768 (LL-151MU)

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