Description of Application Model

FCC ID : ACJ927118K
OUR REF. : MKS98-F006
MODEL NO. : PT-L556U

Application model is as below.

FCC ID:	ACJ927118K
Application name:	LCD Projector
Grantee name:	Matsushita Electric Industrial Co., Ltd.
Manufacturer:	Matsushita-Kotobuki Electronics Ind. Ltd.
Model No.:	PT-L556U
Brand name:	Panasonic
Chassis No.:	SP-25S
Cabinet Material:	Plastics

MK298-FUPG
FCC ID: AC3929118K

Type of Interface Cable

1. Power Cord
2. Printer Cable (2.0 m) : Shielded Cable ; Circular Cable
3. SCSI Cable (0.5 m) : Shielded Cable
4. Audio Cable (1.9 m) : Shielded Cable with a Ferrite Core ; Circular Cable
5. Tranceiver Cable (0.5 m) : Shielded Cable
   (Permanently attached to the Ethernet Tranceiver)
6. Audio Cable (2.0 m) : Shielded Cable
7. Monitor Cable (2.0 m) : Shielded Cable
8. RS-232C Cable (2.0 m) : Shielded Cable
9. RS-232C Mac Adaptor (0.2m) : Shielded Cable
10. * VGA Cable (2.0 m) : Shielded Cable with Two Ferrite Cores
11. Keyboard Cable (0.9m) : Shielded Cable
    (Permanently attached to the Keyboard)
12. Mouse Cable (0.8 m) : Shielded Cable
    (Permanently attached to the Mouse)
13. S-Video Cable (1.4 m) : Shielded Cable
14. Video Cable (1.4 m) : Shielded Cable
15. Audio Cable (1.4 m) : Shielded Cable
16. Mac Adaptor

* PROVIDED WITH EUT

Description

Computer (Certified Device)	Model No.	: M9040
	Trade Name	: Apple
	FCC ID	: BCGM9040
Keyboard (Certified Device)	Model No.	: M0487
	Trade Name	: Apple
	FCC ID	: BCGM0487
Mouse (Certified Device)	Model No.	: M2706
	Trade Name	: Apple
	FCC ID	: BCGM2706
Printer (Certified Device)	Model No.	: M2003
	Trade Name	: Apple
	FCC ID	: BCGM2003
Monitor (Certified Device)	Model No.	: M2978
	Trade Name	: Apple
	FCC ID	: BEJCA500
Video Cassette Recorder (Certified Device)	Model No.	: PV-S7680
	Trade Name	: Panasonic
	FCC ID	: ACJ927104AHS
CD-ROM Drive (Certified Device)	Model No.	: M2918
	Trade Name	: Apple
	FCC ID	: BCGM2918
PC Card	Model No.	: LSFA0005
	Trade Name	: Panasonic
PC Card Adapter (Certified Device)	Model No.	: KXL-D55
	Trade Name	: Panasonic
	FCC ID	: ACJ526 KXL-600 A
Ethernet Tranceiver (Certified Device)	Model No.	: M0437
	Trade Name	: Apple
LCD Projector (Application Device)	Model No.	: PT-L556U
	Trade Name	: Panasonic
	FCC ID	: ACJ927118K

Technical Specification

Power Supply	: Voltage	: AC 100 - 240 V, 50 / 60 Hz
	: Power Consumption	: 2.6-1.2 A
Video Input Signal	: NTSC Composite Video, 1 Vp-p, 75 ohms	
S-Video Input Signal	: Y (luminance signal), 1 Vp-p, 75 ohms	
	: C (chrominance signal), 0.286 Vp-p, 75 ohms	
RGB Input Signal		
Video Signal	: RGB Analog (0.7 Vp-p, 1.0 Vp-p with sync on green, 75 ohms) Unlimited numers of colors	
Sync Signal	: H/V separate, H/V composite, or Sync-on-Green	
H-Frequency	: 24.83 - 60.24 kHz (TTL Level)	
V-Frequency	: 56.25 - 85.1 Hz (TTL Level)	
Terminals	: S-Video Input	: Mini DIN 4-pin × 1
	: NTSC Video Input	: RCA pin × 1
	: Audio / Video Input	: RCA pin × 2 (L + R)
	: Serial Port (RS-232C)	: Mini DIN 8-pin × 1
	: RGB Display Input	: D-Sub mini 15-pin × 1
	: RGB Audio Input	: M3 stereo mini pin × 1
	: RGB Display Output	: D-Sub mini 15-pin × 1
	: Audio Output	: M3 stereo mini pin × 1
	: PC Card Slot	: PCMCIA Type II × 1
Operating Temperature	: 41 ° F - 104 ° F (5 ℃ - 40 ℃)	
Operating Humidity	: 10 % - 80 %	

Device Operation Description

Performance Explanation of LCD Projector

This projector is equipped with the function to project video images onto a large screen Using monitor signal from PCs or video signal from VCRs, etc.
And the audio signal from PC or VCR is output by projector' s internal speaker.
The following describes how the video signal is processed.

1. Video signal which is input to S-VIDEO input terminal or VIDEO input terminal is supplied to Digital block after Video signal processing. In the digital block, in order to perform INTERLACE → Non-INTERLACE conversion, the signals are digitally processed and converted to RGB signal which is the same format as PC monitor signals. Then Synchronizing signals which are separated by video signal processing circuit is supplied to LCD drive timing control circuit and system control circuit.

2. One of the RGB signals mentioned above, or the monitor signal which is supplied to monitor input terminal from a PC, is selected and processed and then supplied to digital block as RGB signal. After that the signal is supplied to block gamma correction. Synchronizing signal, which is produced by the Synchronizing signal processing is added to LCD drive timing control circuit and system control circuit.

3. Synchronizing signal, which is supplied to each circuit, is used to process synchronization of system control and LCD drive.

4. PLL oscillation clock of LCD drive timing control circuit and OSD clock which is supplied to signal process circuit are adjusted to the proper frequency for each PC by the system control circuit which distinguishes the input Synchronizing signal.

5. In the PC Card block, JPEG data of ATA Flash Card is read out, JPEG Expansion is done, then it is converted to RGB data. And Storing it in the frame memory of Digital Block makes it a still (frozen) image.