

Product summary



- 50" High Definition Plasma Display for professional use.
- Available with various unique professional features-Vertical Mounting, Dual picture mode, Digital zoom, Built-in video wall image enlarger, etc..
- Various Energy-saving functions-DPMS, Auto power off, Power save mode, etc..

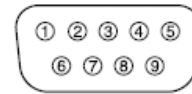
Product specification (Design and specifications subject to change without notice)

DISPLAY	
Screen Size (Diagonal)	50-inch (1,269 mm)
Aspect Ratio	16:9
Effective Display Area (W x H)	1,106 x 622 mm
Resolution (H x V)	1,366 x 768 pixels (1 pixel=3 cells for R, G and B)
Pixel Pitch (H x V)	0.810 x 0.810 mm
Brightness	1,400 cd/m ²
Contrast Ratio (Bright room)	30,000:1 (400:1)
Dynamic Contrast Ratio	1,000,000:1
Gradation	5,120 steps (equivalent)
APPLICABLE SIGNALS	
Color System	NTSC, PAL, PAL60, SECAM, Modified NTSC,
Scanning Format	525 (480) / 60i · 60p, 625 (575) / 50i · 50p, 750 (720) / 60p · 50p, 1125 (1080) / 60i · 60p · 50i · 50p · 24p · 25p · 30p · 24sF, 1250 (1080) / 50i
PC Signal Compatibility	VGA, SVGA, XGA, WXGA, SXGA, UXGA (Over WXGA resolution : compressed) Horizontal scanning frequency 15-110 kHz Vertical scanning frequency 48-120 Hz
INPUT / OUTPUT	
CVBS IN	CVBS x 1 1.0 V p-p (75 Ω)
AUDIO IN (L/R)	RCA pin jack x 2 0.5 V rms
S-VIDEO IN	Mini Din 4 pin x 1 Y : 1.0 V p-p (75 Ω) C : 0.286 V p-p (75 Ω)
AUDIO IN (L/R)	RCA pin jack x 2 0.5 V rms
COMPONENT IN	BNC x 3 Y/G : with sync 1.0 V p-p (75 Ω) P _s /B, P _r /R : 0.7 V p-p (75 Ω)
AUDIO IN (L/R)	RCA pin jack x 2 0.5 V rms
PC IN	MINI D-SUB 15PIN x 1 (Female) Y/G : with sync 1.0 V p-p (75 Ω) P _s /B, P _r /R : 0.7 V p-p (75 Ω) HD/VD : 1.0~5.0 V p-p (high impedance) Plug & Play (VESA DDC 2B)
AUDIO IN	M3 JACK x 1
SERIAL	D-SUB 9PIN x 1 (EXTERNAL CONTROL TERMINAL), RS-232C COMPATIBLE
ELECTRICAL	
Power Requirements	220-240 V AC, 50 Hz/60 Hz
Power Consumption	345 W
Power Off Condition	0.4 W
Stand-by Condition	Save OFF 1.0 W, Save ON 0.6 W
SOUND	
Audio Output	16 W [8 W + 8 W] (10 % THD)
MECHANICAL	
Dimensions (W x H x D)	1,210 x 724 x 95 mm
Weight	32.0 kg
Cabinet Color	Black
ENVIRONMENTAL	
Operating Environment	
Temperature	0 °C to 40 °C
Humidity	20 % to 80 % (Non condensation)
Altitude	0 to 2,800 m
Storage Environment	
Temperature	-20 °C to 60 °C
Humidity	20 % to 90 % (Non condensation)
Altitude	0 to 3,300 m
SAFETY REGULATIONS	
AS/NZS 60065	
RADIATION REGULATIONS	
CISPR22 Class-B	
REMOTE CONTROL TRANSMITTER	
Power Requirements	DC 3 V (2 x AA Size batteries)
Operation Distance	approx. 7 m in front of plasma display
Weight	approx. 100 g including batteries
INCLUDED ACCESSORIES	
• Fixing Band • AC Power Cord • Operating Instruction Book • Remote Control Transmitter • Batteries	
OPTIONAL ACCESSORIES	
• Wall-hanging Bracket (vertical, angled, drawer type) • Pedestal • Ceiling-hanging Bracket • Mobile Stand • Touch Panel • Speakers • Anti-Glare Filter	

Preset Input Signals

	Signal name	horizontal frequency(kHz)	vertical frequency(Hz)	Component Video	Composite Video	PC IN(D-sub 15-pin)
Composite	NTSC	15.73	59.94		Y	
	PAL	15.63	50.00		Y	
	PAL60	15.73	59.94		Y	
	SECAM	15.63	50.00		Y	
	Modified NTSC	15.73	59.94		Y	
Component / RGB	525(480)/60i	15.73	59.94	Y		Y
	525(480)/60p	31.47	59.94	Y		Y
	625(575)/50i	15.63	50.00	Y		Y
	625(575)/50p	31.25	50.00	Y		Y
	750(720)/60p	45.00	60.00	Y		Y
	750(720)/50p	37.50	50.00	Y		Y
	1125(1080)/60i	33.75	60.00	Y		Y
	1125(1080)/60p	67.50	60.00	Y		Y
	1125(1080)/50i	28.13	50.00	Y		Y
	1125(1080)/50p	56.25	50.00	Y		Y
	1125(1080)/30p	33.75	30.00	Y		Y
	1125(1080)/25p	28.13	25.00	Y		Y
	1125(1080)/24p	27.00	24.00	Y		Y
	1125(1080)/24sF	27.00	48.00	Y		Y
	1250(1080)/50i	31.25	50.00	Y		Y
RGB	640×400@70Hz	31.46	70.07	Y		Y
	640×480@60Hz	31.47	59.94	Y		Y
	640×480@72Hz	37.86	72.81	Y		Y
	640×480@75Hz	37.50	75.00	Y		Y
	640×480@85Hz	43.27	85.01	Y		Y
	800×600@56Hz	35.16	56.25	Y		Y
	800×600@60Hz	37.88	60.32	Y		Y
	800×600@72Hz	48.08	72.19	Y		Y
	800×600@75Hz	46.88	75.00	Y		Y
	800×600@85Hz	53.67	85.06	Y		Y
	852×480@60Hz	31.47	59.94	Y		Y
	1024×768@60Hz	48.36	60.00	Y		Y
	1024×768@70Hz	56.48	70.07	Y		Y
	1024×768@75Hz	60.02	75.03	Y		Y
	1024×768@85Hz	68.68	85.00	Y		Y
	1066×600@60Hz	37.64	59.94	Y		Y
	1152×864@75Hz	67.50	75.00	Y		Y
	1280×768@60Hz	47.70	60.00	Y		Y
	1280×960@60Hz	60.00	60.00	Y		Y
	1280×960@85Hz	85.94	85.00	Y		Y
	1280×1024@60Hz	63.98	60.02	Y		Y
	1280×1024@75Hz	79.98	75.03	Y		Y
	1280×1024@85Hz	91.15	85.02	Y		Y
	1366×768@60Hz	48.36	60.00	Y		Y
	1600×1200@60Hz	75.00	60.00	Y		Y
	1600×1200@65Hz	81.25	65.00	Y		Y
	Mac13"(640×480)	35.00	66.67	Y		Y
	Mac16"(832×624)	49.72	74.54	Y		Y
	Mac21"(1152×870)	68.68	75.06	Y		Y

Serial RS232C : D-sub 9-Pin (Male)



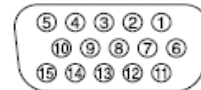
Pin Assignment and Signal Name

Pin No.	Signal name	Descriptions
1	CD	NC
2	RXD	Receive Data
3	TXD	Transmit Data
4	DTR	Not used
5	GND	Ground
6	DSR	Not used
7	RTS	Short Circuit
8	CTS	
9	RI	NC

Transmitting Conditions

Signal Level	Complied with RS232C
Synchronization method	Asynchronous
Baud Rate	9600 bps
Parity	None
Character Length	8 bits
Stop Bit	1 bit
Flow control	-

PC Input : D-Sub 15-Pin (Female)



Signal Name

Pin No.	Signal name
1	R (P _R /C _R)
2	G (Y)
3	B (P _B /C _B)
4	NC (Not connected)
5	GND (Ground)
6	GND (Ground)
7	GND (Ground)
8	GND (Ground)
9	+5V DC
10	GND (Ground)
11	NC (Not connected)
12	SDA
13	HD/SYNC
14	VD
15	SCL