

SONY®



**600 ANSI Lumens and True XGA Resolution for VPL-X600;
650 ANSI Lumens and True SVGA Resolution for VPL-S600,
Magnesium Diecast Body, Remote Mouse Control and Laser Pointer,
APA (Auto Pixel Alignment), Slim and Lightweight Portable Design.**

MOBILE IMPACT

VPL-X600/S600
LCD PROJECTOR

CARRY PERSUASIVE POWER IN A RUGGED PORTABLE

For compelling presentations that capture attention and sway opinions, start with a projector that provides both high brightness and high resolution. The Sony VPL-X600/S600 packs powerful, persuasive performance into a magnesium diecast portable package. It's built tough for the road, yet handsomely styled for the boardroom.

True XGA or SVGA quality in a compact yet powerful 600/650 ANSI lumen LCD projector.

Handles virtually all input signals including composite video,* S-video,* 15 kHz RGB, component video, VGA, SVGA, XGA and SXGA.

Unique magnesium diecast body for tough yet lightweight portability.

Easy operation with APA (Auto Pixel Alignment), and grip-contoured remote commander unit with mouse control and laser pointer.

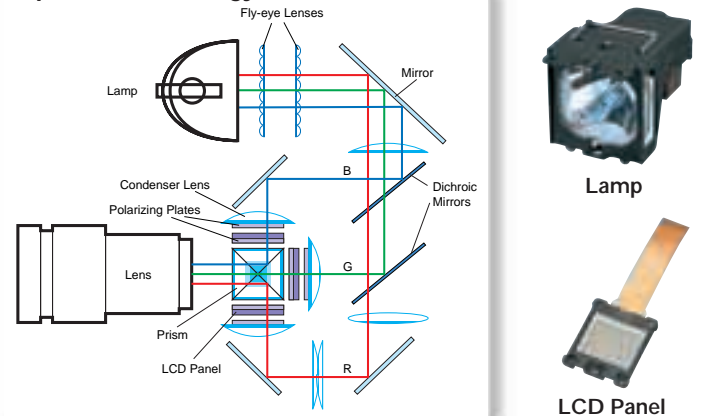


DAZZLE THEM WITH SONY TECHNOLOGY

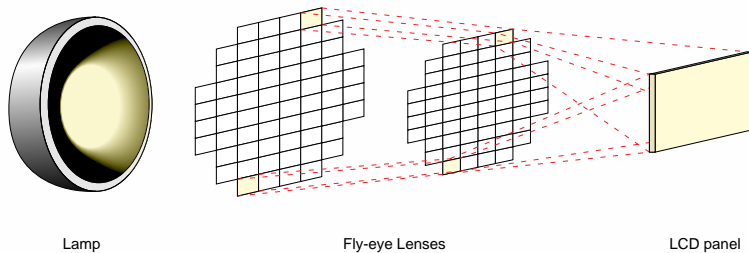
Bright, Vibrant Realism

Leave the lights on. Now you can view True XGA at 600 ANSI lumens. In the VPL-X600 new optical unit, the 120W energy-efficient UHP lamp provides high brightness. Precision optics pass more light to the screen, so your audience sees a vibrantly colorful picture yet can still take notes or refer to printed materials. The VPL-X600 uses three 1.3-inch XGA panels to deliver True XGA (1024 x 768) resolution. The VPL-S600 delivers True SVGA at 650 ANSI lumens.

Optical Technology



Light Integrator System



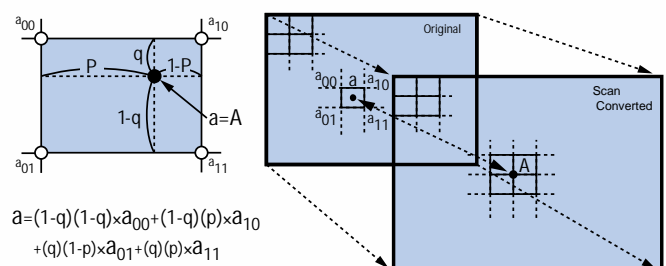
Uniform Illumination Corner-to-Corner

To present an evenly illuminated image without hot spots or color shading, dual fly-eye type lenses evenly integrate the light from the powerful lamp. A precision prism block assembly and wide aperture distortion-free lens also work to maintain uniform color and brightness that extend to the corners of the screen.

Automatic Input Recognition & Scan Converter

Whether you connect a computer or a video source, the intelligent scan converter automatically adjusts to handle the signal format. New bilinear interpolation technology up-converts lower-resolution images to match display resolution capability. Scan conversion can be switched off to show original VGA and SVGA images if desired. Virtual display of SXGA images in the VPL-X600 or SXGA and XGA images in the VPL-S600 is provided by down conversion.

Bilinear Interpolation

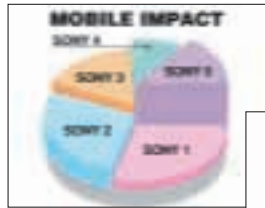


$$a = (1-q)(1-p) \times a_{00} + (1-q)(p) \times a_{10} + (q)(1-p) \times a_{01} + (q)(p) \times a_{11}$$

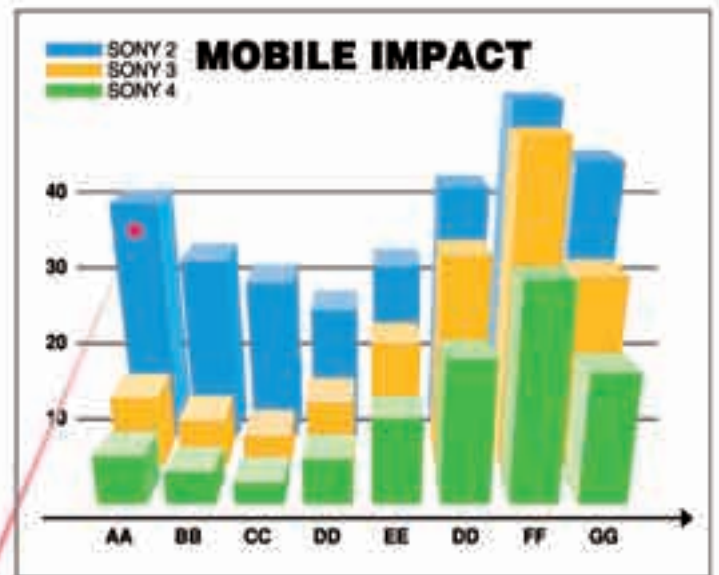
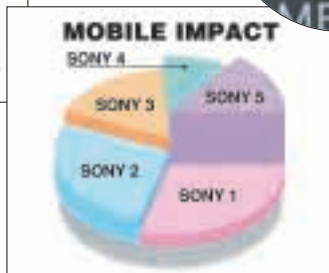
MAKE A PROFESSIONAL IMPRESSION

APA (Auto Pixel Alignment)

Setup is automated. Just press the APA key and Sony's original technology detects the signal and adjusts for optimum image quality.



After pressing APA key



Laser Pointer & Mouse Control

The grip-contoured remote commander unit is comfortable to hold and convenient to use. The mouse control lets you move the cursor on screen. Also built into the remote commander unit is a laser pointer, with an easy-to-locate key.



Magnesium Diecast Body – Lightweight, Rugged, Compact Design

Magnesium is a material that is very lightweight and yet very strong and durable. This makes it the natural choice for the body of the VPL-600 series LCD projectors. Its slim, contoured design is only 12cm – 4 1/2 inches high, and its front cover has space for stowing the remote control unit.



BE A VERSATILE COMMUNICATOR

Precision Graphics Display

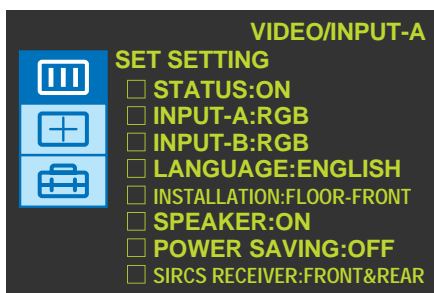
SXGA capability is ideal for displaying high-resolution computer-generated images. The VPL-X600/S600 is equipped with an RGB/Component input terminal as standard. By inserting the optional Sony IFB-X600E Intraface Board, SVideo and composite video can also be input.

Seven-Language On-Screen Display

You can quickly confirm and adjust all major operational functions – just press the menu key on the remote commander unit. On-screen display language can be set to English, French, German, Italian, Spanish, Japanese, or Chinese.

Built-in Three-Speaker Stereo

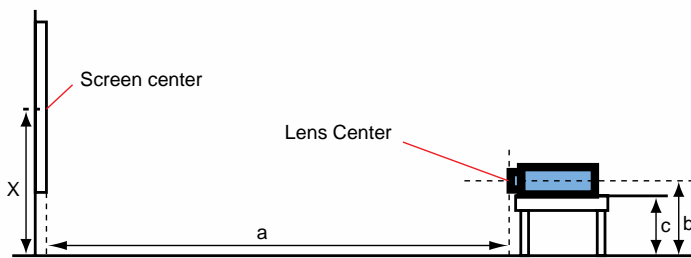
Built-in stereo speakers provide clear audio support for presentations.



On-Screen Display

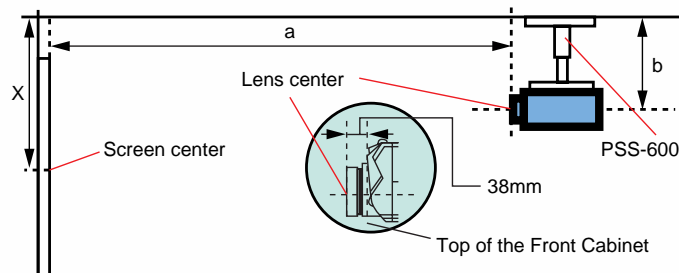
Installation Examples

Floor Installation



a: distance between the screen and the center of the lens
b: distance from the floor to the center of the lens
c: distance from the floor to the foot of the projector
x: free

Ceiling Installation



a: distance between the screen and the center of the lens
b: distance from the ceiling to the center of the lens
x: distance between the ceiling and center of the screen

X600 Unit:mm(inches)

Screen Size	40	60	80	100	120	150	180	200	250	300
a minimum	1490 (58 3/4)	2270 (89 3/8)	3060 (120 1/2)	3850 (151 5/8)	4630 (182 3/8)	5810 (228 3/4)	6990 (275 1/4)	7780 (306 3/8)	9740 (382 1/2)	11710 (461 1/8)
a maximum	1890 (74 1/2)	2870 (113)	3860 (152)	4840 (190 5/8)	5830 (229 5/8)	7310 (287 7/8)	8780 (345 3/4)	9770 (384 3/4)	12230 (481 1/2)	14700 (578 3/4)
b	x-290 (x-11 1/2)	x-435 (x-17 1/4)	x-580 (x-22 7/8)	x-725 (x-28 5/8)	x-870 (x-34 3/8)	x-1088 (x-42 7/8)	x-1305 (x-51 1/2)	x-1450 (x-57 1/8)	x-1813 (x-71 1/2)	x-2176 (x-85 3/4)
c	x-373 (x-14 3/4)	x-518 (x-20 1/2)	x-663 (x-26 1/8)	x-808 (x-31 7/8)	x-954 (x-37 5/8)	x-1171 (x-46 1/8)	x-1389 (x-54 3/4)	x-1534 (x-60 1/2)	x-1896 (x-74 3/4)	x-2259 (x-89)

S600

a minimum	1550 (61 1/8)	2270 (89 3/8)	3180 (125 1/4)	4000 (157 1/2)	4820 (189 7/8)	6050 (238 1/4)	7270 (286 1/4)	8090 (318 5/8)	10130 (398 7/8)	12180 (479 5/8)
a maximum	1960 (77 1/4)	2990 (117 3/4)	4010 (157 7/8)	5040 (198 1/2)	6060 (238 5/8)	7600 (299 1/4)	9140 (359 7/8)	10160 (400)	12720 (500 7/8)	15280 (601 5/8)
b	x-290 (x-11 1/2)	x-435 (x-17 1/4)	x-580 (x-22 7/8)	x-725 (x-28 5/8)	x-870 (x-34 3/8)	x-1088 (x-42 7/8)	x-1305 (x-51 1/2)	x-1450 (x-57 1/8)	x-1813 (x-71 1/2)	x-2176 (x-85 3/4)
c	x-373 (x-14 3/4)	x-518 (x-20 1/2)	x-663 (x-26 1/8)	x-808 (x-31 7/8)	x-954 (x-37 5/8)	x-1171 (x-46 1/8)	x-1389 (x-54 3/4)	x-1534 (x-60 1/2)	x-1896 (x-74 3/4)	x-2259 (x-89)

X600 Unit:mm(inches)

Screen Size	80	100	120	150	180	200	250	300
a minimum	3060 (120 1/2)	3850 (151 5/8)	4630 (182 3/8)	5810 (228 3/4)	6990 (275 1/4)	7780 (306 3/8)	9740 (383 1/2)	11710 (461 1/8)
a maximum	3860 (152)	4840 (190 5/8)	5830 (229 5/8)	7310 (287 7/8)	8780 (345 3/4)	9770 (384 3/4)	12230 (481 1/2)	14700 (578 3/4)
X	b+580 (b+22 7/8)	b+725 (b+28 5/8)	b+870 (b+34 3/8)	b+1088 (b+42 7/8)	b+1305 (b+51 1/2)	b+1450 (b+57 1/8)	b+1813 (b+71 1/2)	b+2176 (b+85 3/4)
b	When using PSS-600, the height can be adjusted 226,251,276,326,351,376 (9,10,10 7/8,12 7/8,13 7/8,14 7/8)							

S600

a minimum	3180 (125 1/4)	4000 (157 1/2)	4820 (189 7/8)	6050 (238 1/4)	7270 (286 1/4)	8090 (318 5/8)	10130 (398 7/8)	12180 (479 5/8)
a maximum	4010 (157 7/8)	5040 (198 1/2)	6060 (238 5/8)	7600 (299 1/4)	9140 (359 7/8)	10160 (400)	12720 (500 7/8)	15280 (601 5/8)
X	b+580 (b+22 7/8)	b+725 (b+28 5/8)	b+870 (b+34 3/8)	b+1088 (b+42 7/8)	b+1305 (b+51 1/2)	b+1450 (b+57 1/8)	b+1813 (b+71 1/2)	b+2176 (b+85 3/4)
b	When using PSS-600, the height can be adjusted 226,251,276,326,351,376 (9,10,10 7/8,12 7/8,13 7/8,14 7/8)							

PORTABLE TRUE SVGA RESOLUTION

AT AN AWE-INSPIRING 650 ANSI LUMENS

You can now take along 650 lumens of True SVGA presentation power in a rugged magnesium diecast body. With the Sony VPL-S600 you get all the advanced features of the X600, but with an even brighter picture. Maximum resolution is SVGA, but thanks to Advance Scan Conversion (ASC) technology, the S600 handles XGA and SXGA sources as well.

VPL-S600

- True SVGA resolution.
- 650 ANSI lumens.
- Magnesium diecast body.
- Advance Scan Conversion (ASC) technology
- APA (Auto Pixel Alignment).
- Remote commander with mouse control and laser pointer.



Optional Accessories



Mouse cable

SIC-S20

- Macintosh
- Mini DIN 4 PIN male ↔ Square 13 PIN male
- Length: 2 m (79 inches)



Signal cable

SMF-402

- HD D-sub 15 pin ↔ Phono x 3
- Length: 5 m (196 7/8 inches)



Projector lens

VPLL-ZM100

- 2 time zoom long focus lens
- f 72.3 to 141.0mm / F 3.0 to 4.6
- Screen coverage: 80 to 300 inches
- Throwing distance:
 - 100inches: 5500 to 10430mm
 - 200inches: 11150 to 20880mm



Suspension support

PSS-600

Mouse cable

SIC-S21

- Serial
- D-sub 9 PIN male ↔ Square 13 PIN male
- Length: 2 m (79 inches)



80-inch screen

VPS-80C

- A portable type 80-inch screen easily carried with the projecto.



Carrying case

VLC-600



Interface Board

IFB-X600E

- Video board for VPL-X600/S600
- Composite video or S Video (Y/C) signals and audio signals from video equipment can be input.

Mouse cable

SIC-S22

- IBM PC/AT compatible, PS/2
- Mini DIN 6 PIN male ↔ Square 13 PIN male
- Length: 2 m (79 inches)



**CARRY PERSUASIVE POWER
IN A RUGGED PORTABLE**

...the rugged portable...
...the rugged portable...
...the rugged portable...
...the rugged portable...

* With optional Interface Board IFB-X600E.

Specifications

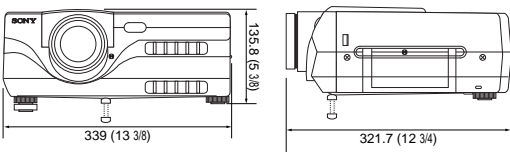
VPL-X600E

VPL-S600E

Optical	Projection system	3 LCD panels, 1 lens, projection system	
	LCD panel	1.3-inch TFT LCD panel, 2,359,296 pixels (786,432 pixels x 3)	1.3-inch TFT LCD panel, 1,557,504 pixels (519,168 pixels x 3)
	Projection lens	1.3 times zoom lens, 13 element all glass, F 2.5 to 3.0 / f = 50 to 65 mm	
	Lamp	120W UHP	
	Screen coverage	40-inch to 300-inch	
General	Light output	ANSI lumen* 600 lm	ANSI lumen* 650 lm
	Throwing distance	40 inch: 1490 to 1890 mm (58 3/4 to 74 1/2 inch) 80 inch: 3060 to 3860 mm (120 1/2 to 152 inch) 100 inch: 3850 to 4840 mm (151 5/8 to 190 5/8 inch) 200 inch: 7780 to 9770 mm (306 3/8 to 384 3/4 inch) 300 inch: 11710 to 14700 mm (461 1/8 to 578 3/4 inch)	40 inch: 1550 to 1960 mm (61 1/8 to 77 1/4 inch) 80 inch: 3180 to 4010 mm (125 1/4 to 157 7/8 inch) 100 inch: 4000 to 5040 mm (157 1/2 to 198 1/2 inch) 200 inch: 8090 to 10160 mm (318 5/8 to 400 inch) 300 inch: 12180 to 15280 mm (479 5/8 to 601 5/8 inch)
	Color system	NTSC / PAL / SECAM / NTSC4.43 / PAL-M automatically / manually selected	
	Resolution	video: 750 TV lines, RGB: 1024 x 768 pixels	video: 600 TV lines, RGB: 832 x 624 pixels
	Acceptable signal	fH: 15, 24 to 81 kHz, fV: 43 to 85 Hz	
Input/Output	Speaker	Wide frequency range 3 speaker system [Woofer: 57 mm (2 1/4") diameter, max. 1 W, Tweeter: 28 mm (1 1/8") diameter, max. 0.2 W x 2 (stereo)]	
	Power requirements	AC100 to 120V / 220 to 240V, 50 / 60Hz	
	Power consumption	Max. 220 W, Power Saving: 56 W, Stand by: 16 W	
	Heat dissipation	750.7 BTU	
	Dimension	333 (W) x 120 (H) x 291 (D) mm (13 1/8 x 4 3/4 x 11 1/2 inches) –without lens, foot, or protuberance 339 (W) x 136 (H) x 322 (D) mm (13 3/8 x 5 3/8 x 12 3/4 inches),	
	Mass	Approx. 5.8 kg (12 lb 13 oz)	
	Operating temperature	0° to 40°C (32° to 104° F)	
	Operating humidity	35 to 85 %	
	INPUT A / INPUT B	HD D-sub 15 pin (Female): Analog RGB / Component: R / R-Y : 0.7Vp-p ± 2dB, 75Ω G / Y : 0.7Vp-p ± 2dB, 75Ω G with sync: 1Vp-p ± 2dB sync negative, 75Ω B / B-Y : 0.7Vp-p ± 2dB, 75Ω SYNC: C sync / HD: Composite sync : 1-5Vp-p high impedance, positive / negative Horizontal sync : 1-5Vp-p high impedance, positive / negative VD: Vertical sync: 1-5Vp-p high impedance, positive / negative HDTV** (RGB): G / B / R : 0.7Vp-p ± 2dB, 75Ω HD / VD : 1-5Vp-p high impedance, negative Mouse IN : Square 13 pin (Female) Audio IN : Stereo mini jack, 500mVrms, impedance more than 47kΩ	
	AUDIO OUT (Variable out)	Stereo mini jack, max.1 Vrms, when an input signal is 500mVrms, impedance less than 5kΩ	
CONTROL S IN/Plug IN POWER	Stereo mini jack, 5Vp-p, Plug in power DC 5V maximum output 60mA		
Safety Regulations	VPL-X600E/S600E: EN60 950, CE, C-Tick, EN60825-1		
Laser beam	Laser type	Class 2	
	Wavelength	670nm	
	Output	1mW	
Accessories	Supplied Accessories	Remote Commander RM-PJM600 Video Signal Cable SMF-401 (2m) x 1: HD D-sub 15-pin to HD D-sub 15-pin Cable Macintosh Adaptor x 1 Mouse Cables (2m) SIC-S20/S21/S22: Mac, Serial, PS/2, AA size battery (x2) Front Cover, Lens Cap, Strap for Remote Commander, Air Filter, AC Power Cord Operating Manual, Quick Reference Card, Installation Manual for Dealers	
	Optional Accessories	Projector Lamp (for replacement) LMP-600***, Suspension Support PSS-600, Carrying Case VLC-600***, Remote Control Receiver RM-PJ10 Video Signal Cable SMF-400: D-sub HD15 pin – 5BNC Cable SMF-401: D-sub HD15 pin – D-sub HD 15 pin Cable SMF-402: D-sub HD15 pin – Phono x 3 Cable Signal Cable IFB-X600E Interface Board SIC-S20: for Mac SIC-S21: for Serial Mouse Cable SIC-S22: for PS/2 Projection Lens VPLL-ZM100 (long focal, 2 times zoom lens) VPLL-FM30 (short focal, fixed lens) VPLL-FM20 (short focal, fixed lens) Screen VPS-100FH: 100-inch Flat Screen*** VPS-120FH: 120-inch Flat Screen*** VPS-80C: 80-inch Portable Screen***	

* ANSI lumen is a measurement method of the American National Standard IT7.228
 ** 1125/60 interlaced HDTV studio standard system. Accepts only RGB separate sync. Y/PB/PR, RGB SonG, and composite sync not acceptable.
 *** Not available in some areas.

Dimension



VPL-X600/S600 Real Panel

Preset Data of Input Signal

Memory No.	Preset Signal	fH [kHz]	fV [Hz]	H/V Polarity	Size (X600)	Size (S600)	Memory No.	Preset Signal	fH [kHz]	fV [Hz]	H/V Polarity	Size (X600)	Size (S600)
1	VIDEO 60Hz	15.734	59.940	N/N			23	XGA VESA 70Hz	56.476	70.069	N/N	1328	1064
2	VIDEO 50Hz	15.625	50.000	N/N			24	XGA VESA 75Hz	60.023	75.029	P/P	1312	1052
3	15K RGB/COMPONENT 60Hz	15.734	59.940	N/N			25	Macintosh 19"	60.241	74.927	N/N	1328	1064
4	15K RGB/COMPONENT 50Hz	15.625	50.000	N/N			26	XGA VESA 85Hz	68.677	84.997	P/P	1376	1102
5	HDTV	33.750	60.000	N/N			27	1024x864 SXGA VESA 70Hz	63.995	70.016	P/P	1308	1044
6	640x350 VGA mode1	31.469	70.086	P/N	800	800	28	SXGA VESA 75Hz	67.500	75.000	P/P	1422	1136
7	VGA VESA 85Hz	37.861	85.080	P/N	832	832	29	SXGA VESA 85Hz	77.487	85.057	P/P	1394	1112
8	640x400 VGA mode2	31.469	70.086	N/P	800	800	30	1152x870 Macintosh 20"	68.681	75.060	N/N	1294	1026
9	VGA VESA 85Hz	37.861	85.080	N/P	832	832	31	1152x900 Sunmicro LO	61.795	65.960	N/N	1280	1032
10	640x480 VGA mode3	31.469	59.940	N/N	800	800	32	Sunmicro HI	71.713	76.047	N/N	1254	1010
11	Macintosh 13"	35.000	66.667	N/N	864	864	33	1280x960 SXGA VESA 60Hz	60.000	60.000	P/P	1440	1154
12	VGA VESA 72Hz	37.861	72.809	N/N	832	832	34	SXGA VESA 75Hz	75.000	75.000	P/P	1382	1106
13	VGA VESA 75Hz	37.500	75.000	N/N	840	840	35	1280x1024 SXGA VESA 43Hz	46.433	43.436	P/P	1272	1020
14	VGA VESA 85Hz	43.269	85.008	N/N	832	832	36	SGL-S	53.316	50.062	S on G	1350	1010
15	800x600 SVGA VESA 56Hz	35.156	56.250	P/P	1024	1024	37	SXGA VESA 60Hz	63.974	60.013	P/P	1270	1020
16	SVGA VESA 60Hz	37.879	60.317	P/P	1056	1056	38	SXGA VESA	79.976	75.025	P/P	1266	1014
17	SVGA VESA 72Hz	48.077	72.188	P/P	1040	1040	39	640x400 PC9801 Normal	24.823	45.416	N/N	848	848
18	SVGA VESA 75Hz	46.875	75.000	P/P	1056	1056							
19	SVGA VESA 85Hz	53.674	85.061	P/P	1048	1048							
20	832x624 Macintosh 16"	49.724	74.550	N/N	1152	1152							
21	1024x768 XGA VESA 43Hz	35.522	43.479	P/P	1264	1012							
22	XGA VESA 60Hz	48.363	60.004	N/N	1344	1076							

VGA, SVGA, XGA, SXGA are registered trademarks of IBM Corporation.
 VESA is a registered trademark of Video Electronics Standard Association.
 Macintosh is a registered trademark of Apple Computer Inc.

Distributed by

Features and specifications subject to change without notice.