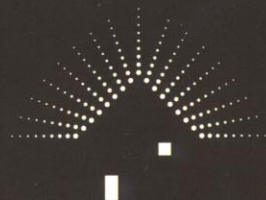


SONY



CONSUMER INTEGRATED SYSTEMS

# VPH-V20U

HOME THEATER  
CRT PROJECTOR

- Projects Giant-Screen Images For Home Theater Excitement
- RGB/Component Input: Accepts DVD, S-Video, TV Signals
- 4 x 3 Standard or 16 x 9 Widescreen Aspect Ratios
- Change Aspect Ratios at a Single Touch
- Front-Panel Remote-Control Detector For Easy Installation
- Simple, User-Friendly RM-PJV20 Remote Commander Unit
- Compact Size, Sophisticated Two Tone Cabinetry



# VPH-V20U

## HOME THEATER CRT PROJECTOR

Sony's VPH-V20U is the affordable, professional-quality CRT Projector designed to entertain families, excite guests in media rooms, even thrill a crowd in bars and restaurants. It's easy to set up and simple to operate, with a Remote Commander® unit that lets you switch from 4 x 3 standard to 16 x 9 widescreen ratio at the touch of a button. You can also connect both standard composite and RGB/component video sources-and enjoy giant-screen TV shows, VHS and DVD movies!



## Features

**High brightness, sharp resolution.** When you're watching a giant-screen home theater image, brightness and sharpness make all the difference—and that's where Sony gives you top performance. With advanced CRT design, high-quality optics, and pinpoint focusing accuracy, you'll see clear, crisp video images with amazing color purity and detail.

### Composite/ RGB Component input.

You want home theater entertainment from a wide variety of sources, so your Sony VPH-V20U CRT Projector gives you front-panel input connectors for Video, S-Video, and RGB/Component (Y/R-Y/B-Y), signals—along with Control S connectors, for integrated system control with other Sony home theater components.



**Versatile Inputs:** the front connector panel lets you hook up standard video equipment, composite or S-Video and RGB/Component video sources.

**One-touch aspect ratio selection.** Ready for future widescreen entertainment? Your Sony CRT Projector is—because you can change aspect ratios at a single touch, from standard 4 x 3 to widescreen 16 x 9 format, using your Remote Commander unit or a convenient control-panel button on your projector.

**A remote that's easy to use.** When you're ready for entertainment, you don't want to fumble with keys—so you get a RM-PJV20 Remote Commander unit that puts simple operations at your fingertips.

**Front-panel remote control detector.** Remote control is easy because an infrared receiver on the front of your Home Theater Projector receives command signals from your wireless Remote Commander unit. You can also hook up an optional RM-PJ10 target receiver, for convenient remote control in built-in installations.



**Advanced CRT Design:** Sony's 7" CRT tubes project brilliant color images with superb resolution.

**Video memory settings.** To make registration and focus easy for a variety of home theater programming, you can store projector data in memory for up to three video sources. Just set the data for your home entertainment components, including VHS tape, DVD disk, TV programs, then use your Remote Commander unit to switch quickly to the ideal setting for the show you're watching.

**Get the big picture.** Unlike an ordinary television, your Sony Home Theater Projector casts an image from three precision-aligned CRTs (cathode-ray tubes) to create a powerful, high-resolution image on screens up to 250 inches in diagonal.

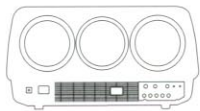
**A bright, beautiful image.** Sony's high-performance 7" CRTs produce a light output of 100 ANSI lumens, to give you spectacular giant-screen images for a truly theatrical experience.

**Simple setup and operation.** With on-screen display, you can adjust your Home Theater Projector's vivid, high-contrast pictures remotely.

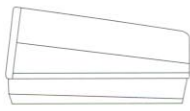


**User-Friendly Remote:** your convenient RM-PJV20 Remote Commander unit gives you fingertip control over the functions that make home theater operation quick and simple—even when the lights are low.

# Specifications VPH-V20U



projector front view



projector side view

## OPTICAL

Projection system:	3 picture tubes, 3 lenses, direct projection system
Picture tube:	7-inch (phosphor size 5.5-inch), static-focus CRT tubes
Projection lens:	hybrid multi-coated lenses, F1.0/130mm
Screen coverage:	70-inch to 250-inch (viewable area measured diagonally), factory preset to 100-inch
Light output:	100 ANSI lumen* (fH: 64kHz, fV: 50Hz, 6500k); 130 ANSI lumen (fH: 15kHz, fV: 60Hz, 6500k); all-white: 140 ANSI lumen

## GENERAL

Color system:	NTSC, PAL, SECAM, NTSC4.43 (automatically selected)
Resolution:	700 TV lines (video); 1000 TV lines (RGB);
Test signals:	cross-hair
Power requirements:	AC 120V, 50/60Hz
Power consumption:	210W (max)
Dimensions (whd):	21" x 11 3/8" x 23 5/8" (532 x 288 x 597mm)
Weight:	66 lb. 2 oz. (30kg)
Operating temperature:	32 to 104° F (0 to 40° C)

## INPUTS/OUTPUTS

Inputs:	
Video:	BNC, 1Vp-p ± 2dB, sync negative, 75Ω
S-Video:	Mini DIN 4-pin
Y In:	1Vp-p ± 2dB, sync negative, 75Ω
C In:	Burst 0.286 ± 2dB (NTSC), 75Ω; 0.3Vp-p ± 2dB (PAL), 75Ω
Video Out:	BNC, 1Vp-p ± 2dB, 75Ω

## INPUT A

Analog RGB/ Component:	BNC
R-Y:	0.7Vp-p ± 2dB positive, 75Ω
G-Y:	0.7Vp-p ± 2dB positive, 75Ω
G with sync:	1Vp-p ± 2dB sync negative, 75Ω
B/B-Y:	0.7Vp-p ± 2dB positive, 75Ω
Sync/HD:	
Composite sync:	0.6 to 8Vp-p, high impedance, positive/negative
Horizontal sync:	0.6 to 8Vp-p, high impedance, positive/negative
VD:	
Vertical sync:	0.6 to 8Vp-p, high impedance, positive/negative
CONTROL S:	Loop-through stereo mini jack

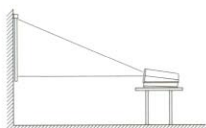
## Supplied Accessories:

- RM-PJV20 Remote Commander Control Unit
- Remote Control Cable (1.5m)
- AA batteries (2)
- AC Power Cord
- Spacer for 200-inch front projection
- Spacers for 70 to 100-inch rear projection
- Operation Manual
- Installation Manual

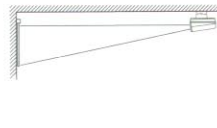
## Optional Accessories:

- Signal Interface Cable (SIC-10)
- IFU-1271/1271M Interface Unit
- PSS-722 Suspension Support
- PSS-10 Suspension Support
- RM-PJ10 Infrared Remote Control Receiver
- VPS-80HF 80-Inch Flat Screen
- VPS-100FH 100-Inch Flat Screen
- VPS-120FH 120-Inch Flat Screen
- VPS-702R 70-Inch Rear Screen

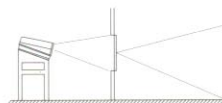
## Installation



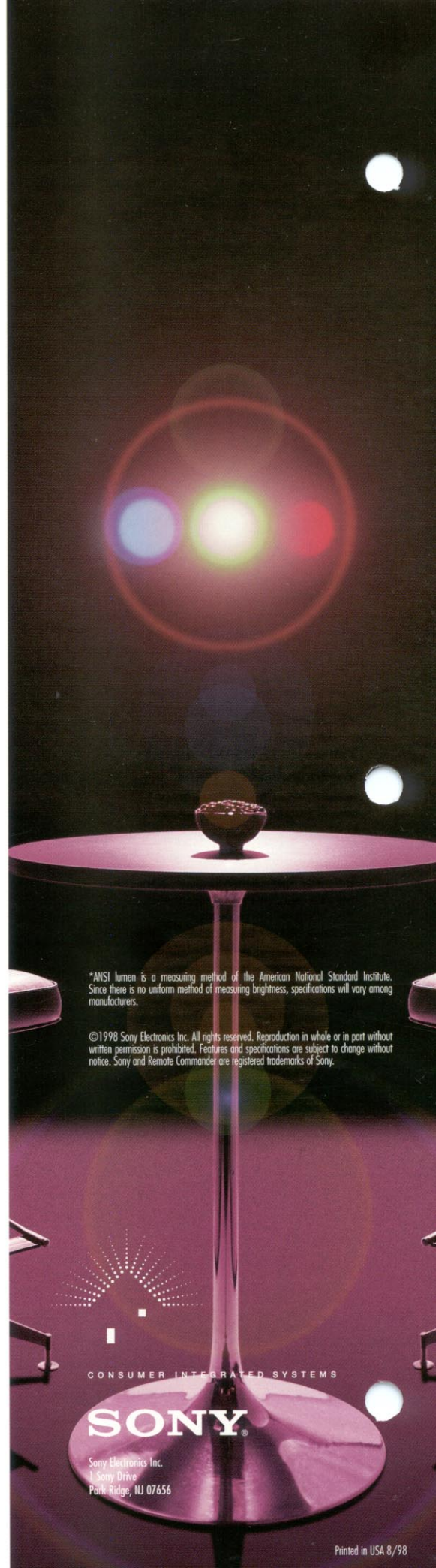
floor installation



ceiling installation



rear projection



\*ANSI lumen is a measuring method of the American National Standard Institute. Since there is no uniform method of measuring brightness, specifications will vary among manufacturers.

©1998 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. Sony and Remote Commander are registered trademarks of Sony.

CONSUMER INTEGRATED SYSTEMS

**SONY**

Sony Electronics Inc.  
1 Sony Drive  
Park Ridge, NJ 07656