Key Features

- Supports Full HD 1080p resolution with 3 SXRD™ 1920 x 1080 SXRD™ Panels (0.61")
- Up to 15,000:1 Contrast Ratio (with Advanced Iris Auto function on)
- ARC-F (All Range Crisp Focus) Lens
- 1080/24p Input Capable
- Ultra High Pressure Lamp (200W) delivers natural, accurate color
- Advanced Iris 2 Function (Auto, On, Off)
- Low Fan Noise (22dB)
- 1.8X Zoom
- Blanking function allows the user to add an adjustable black frame over unusable portions of the image
- Noise Reduction

Key Technologies

**SXRD™ 1920 x 1080p Full HD Panels**  SXRD is a display technology developed by the legendary television engineers at Sony to meet and exceed the demands of a High Definition image at its full 1080 line resolution. It is a 1920 x 1080p panel characterized by several key benefits – full HD resolution, smooth film-like image with minimal screen door effects, high response times (2.5ms rise and fall), high contrast ratios and accurate color rendition.

**Advanced Iris 2** The latest evolution of Sony's own Advanced Iris function uses algorithms designed to analyze the histogram of each picture along with nonlinear amplification to dynamically adjust the iris for its optimum opening. The result is a stunningly high contrast ratio of up to 15,000:1. Images in bright scenes are crisp and clear and black levels in dark scenes are deep and detailed. A manual adjustment option is also available to fix the iris opening for specific image conditions.

**Ultra Quiet Fan** An exclusive Sony-designed fan efficiently removes heat at a barely noticeable noise spec of 22dB. Obtrusive fan noise is virtually eliminated to allow for flexibility in room placement.

**ARC-F (All Range Crisp Focus) Lens** A specially developed crisp focus lens was developed to take full advantage of the full 1920 x 1080 HD resolution that the SXRD panel device offers. It offers superior resolution and focus.

**RCP (Real Color Processing)** Real Color Processing allows the user to target specific colors on the picture and fine adjust their color and hue without changing the overall picture's color and hue. For instance, the color of a strawberry can be fine adjusted without impacting the skin tones. Or the blue in a sky can be adjusted without affecting the color of water. And green grass can be adjusted without influencing the other colors in the picture.
**Features**

**General**
- **Vertical Keystone:** Yes
- **Standby Mode:** Yes
- **Lens Control:** Off, On
- **High Altitude Mode:** Off, On
- **Information Menu:** Horizontal and Vertical frequency display

**Acceptable Computer Signals:**
- F: 19 to 72 kHz, FV: 48 to 92 Hz, F6: 60 Hz
- **Input:** A: Auto, Computer, Component, Video, GBR
- **DVI Signal Setting:** Auto, Computer, Video, GBR

**Video**
- **Video Processing:** 10-bit processing
- **Comb Filter:** Yes (3DY)
- **DRC® Palette Presets:** Mode 1, Mode 2
- **Vertical Position:** Yes
- **Wide Mode:** Wide Mode (Full, Normal, Wide, Zoom, Zoom)
- **Display Technology:** SXRD™ Technology
- **Horizontal Size:** Yes
- **Dot Phase:** Yes
- **Picture Shift Function:** Yes
- **Title Area Control:** Yes
- **Film Mode:** Yes

**Acceptable Video Signals:** 15 kHz (RGB/Component) 50/60Hz, Progressive component 50/60 Hz,DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p - DVI and HDMI inputs only, 1080/50p - DBI and HDMI inputs only, Composite video, Y/C video.

**Micro Display Type:** 0.61" chip (2,073,600 pixels per chip, 6,220,800 total pixels)

**Convenience**
- **Multiple Language Display:** 15 languages (including English, French, Spanish, German and Chinese)
- **Power Save Mode:** On, Off
- **Auto Input Search:** Yes
- **Test Pattern:** Yes
- **Image Flip:** HV, V, Off
- **IR Receiver:** Front & Rear, Front, Rear
- **Illumination:** Off, On

**Specifications**

**General**
- **Lens:** 8.7 to 33.7 mm/F2.54 to 3.53 mm
- **Projection Picture Size:** 40" to 300" measured diagonally
- **Color System:** Auto, NTSC, PAL, SECAM
- **Television Type:** Front Projection

**Video**
- **Native Resolution:** 1080p
- **Contrast Ratio:** Up to 15000:1 (with Advanced Iris Auto ON)
- **Display Resolution:** 1920 x 1080
- **Overscan:** Yes

**Inputs and Outputs**
- **Component Video (Y/Pb/Pr ) Input(s):** 1 (Side)
- **Composite Video Input(s):** 1 (Side) Vp-p/-2 dB sync negative (75 ohms terminated)
- **S-Video Input(s):** Y/C mini DIN 4-pin type, Y (luminance) 1 Vp-p/-2 dB sync negative (75 ohms terminated) C (chrominance) burst 0.2861 Vp-p/-2 dB (NTSC) sync negative (75 ohms terminated) burst 0.31 Vp-p/-2 dB (PAL) sync negative (75 ohms terminated)
- **HDMI™ Connection(s):** 2 (Side) Digital RGB/Y/C(B)/Cr(Pr) with PC timing support
- **PC Input(s):** 1 (Side) F: 19 to 72kHz / FV: 48 to 92 Hz / Maximum resolution: 1920 x 1080 FV: 60Hz
- **Remote Network Connection(s):** 1 (Side) RS-232C: D-sub 9-pin (female) RJ-45 10 BASE-T/100BASE-TX (For gamma adjustment using included ImageDirector2 software.)
- **RS232 Control:** Remote Connector
- **Component/Progressive:** DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p (DVI and HDMI channel only). Composite video, Y/X video
- **12V Trigger Input(s):** 1 (Side) Mini jack - Power On: DC 12V, output impedance: 4/7 kilohms Power Off: 0V

**Power**
- **Power Consumption (in Operation):** 300W
- **Power Consumption (in Standby):** 8W
- **Power Requirements:** AC 100 to 240V, 1.3 to 3A, 50/60Hz

**Service and Warranty Information**
- **Limited Warranty:** Product Warranty - 2 Years Parts and Labor except the lamp. Lamp Warranty - 90 Days from date of purchase.

**Dimensions**
- **Weight:** 24.25lbs (11kg)
- **Measurements:** 15.55 x 6.83 x 18.56" (395 x 173.5 x 471.4mm)

**Operating Conditions**
- **Operating Temperature:** 5°C to 35°C (41°F to 95°F)
- **Operating Humidity:** 35% to 85% (no condensation)

**Supplied Accessories**
- **Remote Control (RM-PJ700)
- **Instruction Manual
- **AC Cord
- **CD ROM Image Director 2

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