

# SONY®

## BID SPECIFICATION FOR PRODUCTION CRT MONITORS



### MODEL NUMBER PVM-136

**INSTRUCTIONS:**

REMOVE THIS COVER PAGE AND ADD TO REQUESTS FOR QUOTATION AND PROPOSALS. THE OBJECTIVE OF THIS BID SPECIFICATION IS TO ASSIST YOU IN CLEARLY SPECIFYING THE SONY PRODUCT IDENTIFIED ABOVE, AND ENSURING THAT THE BUYER IS WELL INFORMED OF THE HIGH STANDARD OF PERFORMANCE THAT IS TO BE EXPECTED OF A SONY PRODUCT. THE INFORMATION IN THIS DOCUMENT IS CURRENT AS OF JUNE 2002. PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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## **1.0 General Information**

The purpose of this information is to provide the specification for a product whose primary purpose is the reproduction of video and / or computer graphics information for one or more viewers.

This reproduction of this information is to be accomplished via a direct-view CRT monitor. This document provides the minimum specifications for this device.

The performance comparison of displays is not only technical in nature, but is also subjective to the user, when viewed in the final display environment. It is recommended that devices meeting the requirements of this specification be compared in the user's application and environment, if possible.

## **2.0 Description**

This product shall be classified as a direct-view CRT black and white monitor, or production display. This device shall be directly compatible with video sources, without the use of external devices to provide this compatibility.

This device shall employ the use of a high resolution CRT for optimum display of high- resolution sources.

Encased in a durable metal casing, this device shall employ a shape that allows for rack mounting in a 19" EIA standard rack, using an optional rackmount kit.

## **3.0 Source Compatibility / Suitability for Application**

This device shall be directly compatible with the following sources:

EIA (525 in 60 fields)  
CCIR (625 in 50 fields)  
Component Video (50 or 60 Hz)

With the addition of optional modules, serial digital video and audio sources shall be available to this device.

## **4.0 User Interface / Controllability Information**

Control of this device shall be accomplished through the use of front panel controls that display on on-screen menus, available in a minimum of 5 languages. A status menu shall display current device settings.

The following device functions shall be available for control:

Power On / off

Input Select

Brightness / Contrast

Video Decoder Functions

Audio Volume

Overscan / Underscan

H/V Delay

4:3 / 16:9 Aspect Ratio

Recall of the last video decoder function used shall be accomplished by touching any of the function buttons.

This device shall contain user preset memory, allowing the user to store setup data for later retrieval.

In addition to the front panel controls, this device shall be able to be controlled by an optional serial RS-422 remote controller. This remote controller shall be available for an additional charge from the device manufacturer.

## **5.0 Performance Specifications**

This device shall employ the use of a CRT with a minimum native resolution of 1000 lines.

The minimum display bandwidth shall be 10MHz, down 3dB.

The device shall accommodate a color temperature of 6500 degrees Kelvin.

This device shall include a built-in audio amplifier and speaker for monitoring audio sources.

This device shall include a tally light that can be activated from a production video switcher.

This device shall minimize magnetic field emission through the use of Very low Frequency (VLF) operation.

This device shall employ the use of a notch filter for minimized dot structure interference on NTSC and PAL signals.

This device shall employ the use of a mode displaying horizontal and vertical intervals on the center of the screen.

This device shall include the capability to switch between 4:3 and 16:9 aspect ratios.

## **6.0 Dimensional Information**

This device shall employ the use of a 14" diagonal (13" viewable) CRT.

This device shall have maximum cabinet dimensions of 13.5 inches high by 13.63 inches wide and 13 inches deep.

This device shall not weigh more than 25 pounds.

## **7.0 Connectivity Information**

This device shall provide for connection of 3 source devices simultaneously, without employing the use of an external switching device. These connections shall include the following:

Composite Video on a BNC Connector with loop-through  
Audio on an RCA (Phono) Connector with loop-through

Composite Video on a BNC Connector with loop-through  
Audio on an RCA (Phono) Connector with loop-through

External Sync on a BNC Connector with loop-through

## **8.0 Power Requirements**

This device shall accept power at 120 V at either 50 or 60 Hz.

This device shall consume no more than 30 watts.

Power to this device shall be supplied via a detachable standard power cord that is readily available for replacement from local suppliers.

## **9.0 Safety Compliance Information**

This device shall be fully compliant with the following standards:

UL 1950  
CSA 22.2 No.950  
T V EN-60950 (CE LVD)

FCC Class A  
IC Class A  
CE EN55022 Class-B / EN50082 - 1 / EN60555 – 2  
VCCI-I

## **10.0 Warranty Information**

This device shall carry a 1-year manufacturer's warranty. Authorized servicing dealers of the devices' manufacturer shall perform warranty service.

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