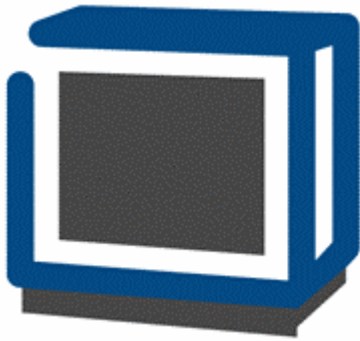


# SONY®

## BID SPECIFICATION FOR PRODUCTION CRT MONITORS



### MODEL NUMBER PVM-5041Q

**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 color 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 an aperture grille 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:

NTSC Video (Composite)  
PAL Video (Composite)  
SECAM Video (Composite)  
M-NTSC 4.43 (Composite)  
Component Video (50 or 60 Hz)  
RGB Video (50 or 60 Hz)

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

Control of this device shall be accomplished through the use of front panel controls.

The following device functions shall be available for control:

Power On / off  
Input Select

Brightness / Contrast  
Video Decoder Functions  
Audio Volume  
Blue Only  
Overscan / Underscan  
H/V Delay

In addition to the front panel controls, this device shall be able to be controlled by a custom remote controller. This remote controller can be assembled using a connector included with the device.

## **5.0 Performance Specifications**

This device shall employ the use of an aperture grille CRT with a maximum dot pitch of 0.5mm. The minimum native CRT resolution shall be 250 lines. The CRT shall employ the use of P-22 phosphors.

The minimum display bandwidth shall be 6MHz, down 3dB.

The device shall accommodate a color temperature of 6500 degrees Kelvin, and also allow for user adjustable Gain and Bias Control.

This device shall include a built-in audio amplifier and 0.5 W monaural speaker for monitoring audio sources.

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

This device shall employ beam-current feedback circuitry to provide for maximum color balance stability.

This device shall employ the use of an advanced NTSC comb filter for maximum chrominance / luminance separation.

## **6.0 Dimensional Information**

This device shall employ the use of a 6" diagonal (5" viewable) CRT.

This device shall have maximum cabinet dimensions of 6.875 inches high by 5.75 inches wide and 14 inches deep.

This device shall not weigh more than 13 pounds.

## **7.0 Connectivity Information**

This device shall provide for connection of 2 source devices simultaneously, without employing the use of an external switching device. These connections shall include the following:

Composite Video on a BNC Connector or Y/C Video on a 4 Pin DIN Connector with loop-through

Audio on an RCA (Phono) Connector with loop-through

RGB / Component Video on BNC Connectors with loop-through

Audio on an RCA (Phono) Connector with loop-through

## **8.0 Power Requirements**

This device shall accept power at 100 - 240 VAC at either 50 or 60 Hz.

This device shall accept power at 12VDC, 3.2A.

This device shall consume no more than 40 watts in AC mode or 40 watts in DC mode.

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

DC power to this device shall be supplied via a detachable standard power cable that connects to an optional power supply available from the device manufacturer, or via a pair of optional rechargeable batteries available from the device manufacturer.

## **9.0 Safety Compliance Information**

This device shall be fully compliant with the following standards:

UL-6500 listed

C-UL (CAN/CSA-E65-94)

FCC Class-A

IC Class-A

DHHS

DNHW

## **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.