

## General

The VMS33 offers a compact solution for stereo audio and wide screen (16x9) video monitoring. Combining the features of three high resolution LCD displays, three 34 segment LED stereo VU/PPM meters and three 5 segment correlation meters in a three rack unit panel. It is the most versatile audio and video monitoring system available in a compact package.

The VMS33 comes standard with three Multi standard video, three stereo analog or three AES inputs, Digital video inputs are available options.

Features include sync sensing, auto shut off and manual shut off to prolong LCD life. Picture quality adjustments, are readily performed by using the supplied remote control, see Setup and Installation.

The unique telescoping and tilting front panel affords the user an unobstructed view in virtually any situation. The VMS33 is ideal for equipment rack and operating desk locations.

The unit requires an AC power source from 90 to 230 Volts, 60 to 50 Hz. A fused IEC disconnect and power cord is supplied.

## Product Specifications

### Digital

Input 110 Ohm	Transformer balanced screw terminal
Input 75 Ohm	Unbalanced BNC
Input Level	0.2-5Vp-p
Sampling Frequency Range	30 kHz to 96 kHz
Frequency Response	+/- 0.25 dB 20 Hz to 20 kHz

### Analog Input (NTSC)

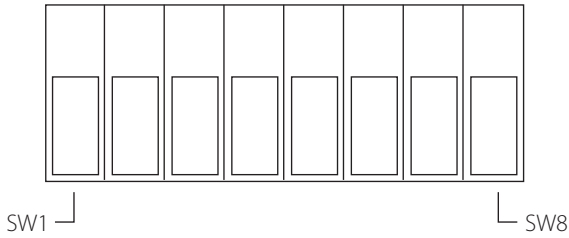
Input Level	1 V p-p (nominal)
Input Impedance	.75 Ohm

### General

Horizontal Viewing Angle	+/- 55 degrees
Tilting Angle	+/- 40 degrees
Telescoping Range	1.5 inches
Power Requirements	90-230 V/50-60 Hz
Dimensions	19" w x 5.2" h x 10.75" d (483mm x 132 mm x 273 mm)
Weight	8.03 lbs (3.65 kg)

## Setup and Installation

### SETUP



#### Dip Switch Settings

- SW1** Audio Select 1 (up= digital, down= reserved)
- SW2** Audio Select 2 (up= digital, down= reserved)
- SW3** Audio Select 3 (up= digital, down= reserved)
  
- SW4** Video Monitor 1 Setup (up= normal, operation down= setup)
- SW5** Video Monitor 2 Setup (up= normal, operation down= setup)
- SW6** Video Monitor 3 Setup (up= normal, operation down= setup)
  
- SW7** Video Auto Off Mode, bit 0
- SW8** Video Auto Off Mode, bit 1

#### Video Screen Setup Mode

To enable the remote control to perform a setup on a particular video screen move the appropriate dip switch on the rear panel (SW4 to SW6) to the down position. Pull the telescoping assembly forward and tilt it downwards. Point the IR remote towards the back of the front tilted section. The remote allows you to adjust brightness, color etc.

#### The IR Remote Control

- POWER** Turns screens on and off
- V.SEL** Cycles through VIDEO 1, VIDEO 2 and CAMERA inputs  
Ensure VIDEO 1 is selected before exiting setup mode
- M** Enters the main menu
- ▲▼** Select sub menu
- ◀▶** Adjust the level of the sub menu item

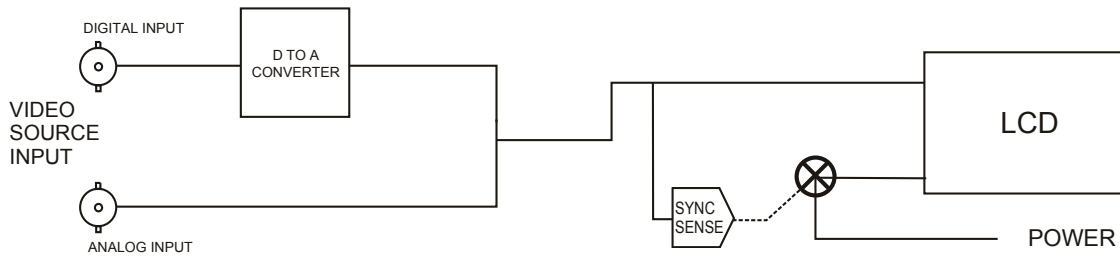
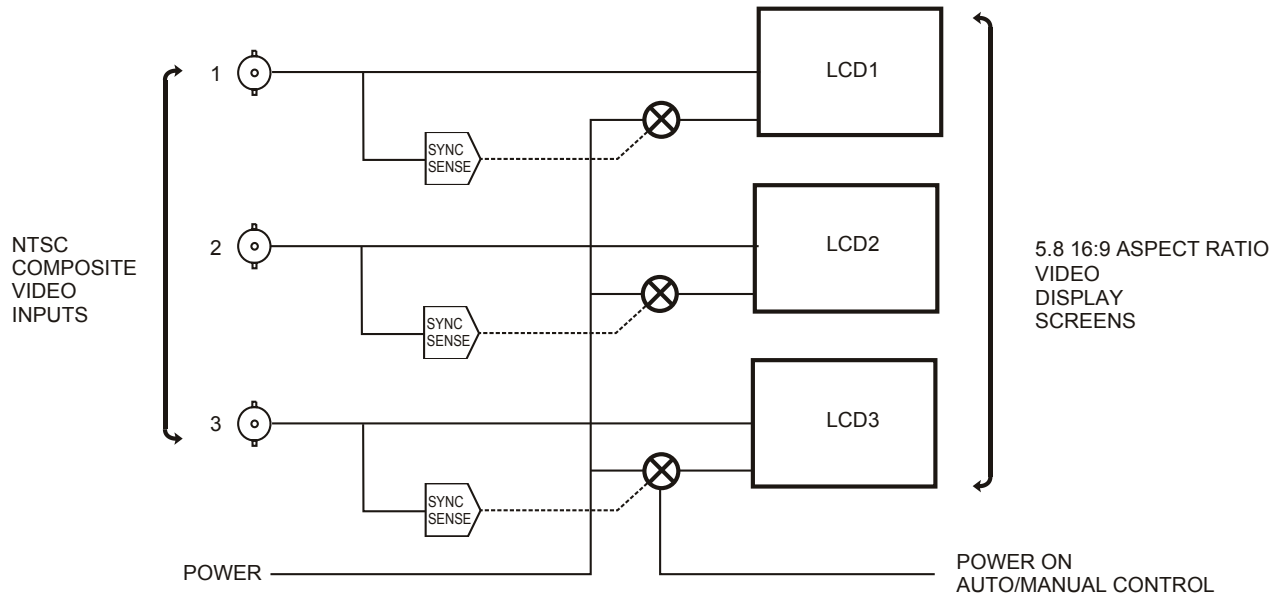
After set up is completed restore the dip switch to the up position to exit setup and then cycle the display power from the front panel push button or the AC mains.

#### Auto Off Mode

bit 1	bit 2	
UP	UP	Disabled
UP	DOWN	10 Minutes
DOWN	UP	60 Minutes
DOWN	DOWN	180 Minutes

The video screens on the VMS33 have a typical lifetime of 15,000 hours. The VMS33 is equipped with 2 automatic feature designed to preserve the life of the screen.

1. Auto Synch Detect - The video screen will automatically be powered down if no video synch is detected.
  
2. Auto Off Mode - All 3 video screens will be turned off after a preset time period. A closure to ground on the video pin off on the rear panel DB-9 or pushing the front panel push button will restore the power to the screens and rest the timer.
  
3. Manual Off Mode - When Auto Off Mode is disabled the video off pin on the rear panel DB-9 acts as an off control, that is, a closure to ground turns all 3 screens off. The front panel push button will act as an alternate action on/off control. The front panel push button overrides the rear panel control.

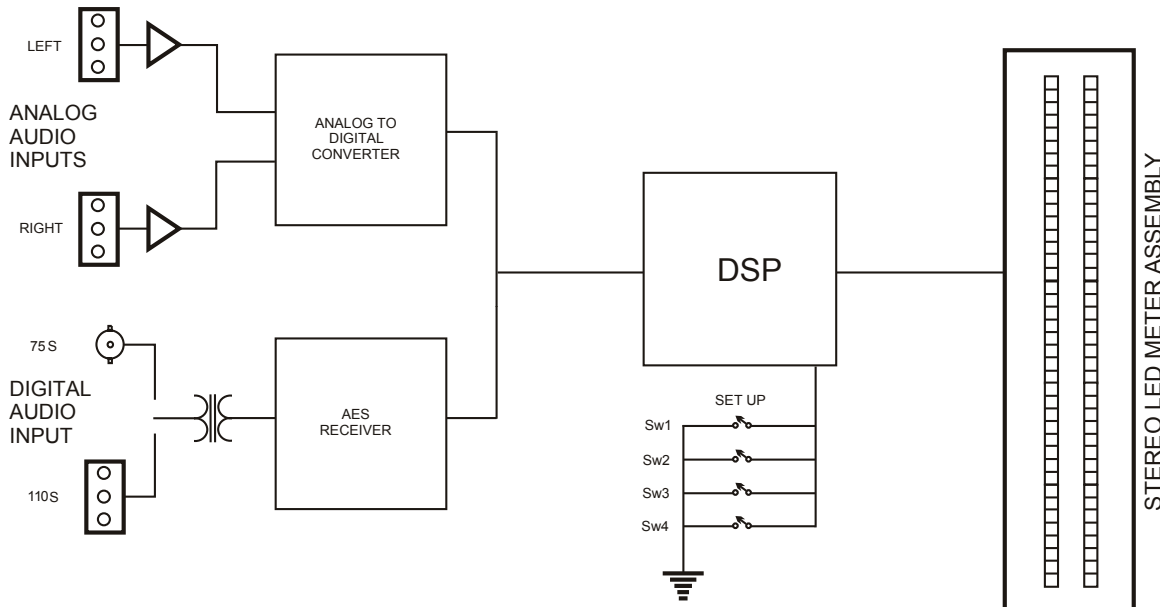


BALLISTICS

	ON	OFF
Sw1	Peak Hold	ON
Sw2	PPM 2	PPM 1

CALIBRATION

Sw3	Sw4	Nominal Level
ON	ON	-20dBFS/+4dBu
OFF	ON	-18dBFS/+4dBu
ON	OFF	-16dBFS/+4dBu
OFF	OFF	-12dBFS/+4dBu



## Warranty

All Ward-Beck Systems Ltd. Products are warranted against defective materials and workmanship for a period of one year from the date of shipment

Ward-Beck Systems Ltd. Will repair or replace, as its opinion and without charge, all said products or parts thereof which upon factory inspection prove to be defective during the warranty period. Provided that:

1. The original serial numbers are intact and have not been tampered with
2. The purchaser shall return any equipment or parts thereof to Ward-Beck Systems Ltd. Only after obtaining prior authorization and shipping instructions from the factory. (Ward-Beck Systems Ltd. Reserves the right to inspect or repair the equipment on the purchaser's premises)
3. The purchaser assumes the obligations for all expenses in connection with the shipping and return of such goods, once authorization has been obtained

This warranty does not cover items normally considered expendable, such as fuses and lamps.

This warrant does not cover damages caused by misuse, accident, neglect, unauthorized alteration, repair by unauthorized personnel, or damages caused by act of God, war, or civil insurrection.

In no event shall Ward-Beck Systems Ltd. Be liable for consequential damages. Ward-Beck Systems Ltd shall have the rights to final determination as to the application of this warranty.

Ward-Beck Systems Ltd. Reserves the right, at any time and without notice, to make changes in its equipment, components, specifications or design, as may be warranted by progress in state-of-the-art technology.

Ward-Beck Systems Ltd. Reserves the right to make design changes, additions to, and improvements in its products, without obligation to install such revisions in products previously manufactured.

The warranty set forth herein is in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness.

## Contact

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