

## IN CASE OF DIFFICULTY

If you are experiencing problems with any MicroImage product, you can contact MicroImage Support using the following methods:

Phone	610-754-6800
Fax	610-754-9766
Email	techsupport@mivs.com
Web	www.mivs.com

## WARRANTY

MicroImage Video Systems warrants that each VDA124RM/VDA212RM is free from defects due to faulty materials or improper workmanship for a period of one (1) year. MicroImage Video Systems further warrants that any part which proves defective in materials or workmanship within one (1) year, will be replaced or repaired at no cost to the user. Labor to replace defective parts will be done without charge, provided the equipment is returned to MicroImage Video Systems prepaid, insured and properly packaged. Prior return authorization must be obtained from MicroImage Video Systems.

### NOTE

This warranty covers the MicroImage VDA124RM/VDA212RM Video Distribution Amplifiers only.

### CONDITIONS

This warranty is void if the warranted part has been altered or subjected to abuse or misuse. Defective parts must be returned to MicroImage Video Systems.

### SOLE WARRANTY

This Warranty is in lieu of all other warranties expressed or implied including, without limitation, any implied warranty or any implied warranty of fitness for a particular purpose. MicroImage Video Systems shall have the final right to determination as to the existence and cause of any defect and its appropriate adjustment in accordance with the terms of this warranty. In no event shall MicroImage Video Systems be liable for any consequential or collateral damages.

## RETURNS

All returns MUST have an RMA number. Please call, fax or email for an RMA form. The RMA form will have the proper shipping address for returns.

Phone	610-754-6800
Fax	610-754-9766
Email	techsupport@mivs.com

## Rack Mount Video Distribution Amplifier Operation Manual

**Model VDA124RM**  
**Model VDA212RM**

**VDA124RM12-RoHS 24 Output Unit**  
**VDA212RM12-RoHS Dual 12 Output Unit**

**MicroImage Video Systems**  
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Rev 0 11-05-2009, Reviewed 07-07-2015

## SPECIFICATIONS

Input level	1.0 Vpp Composite, 75 $\Omega$
Output level	Same as input into 75 $\Omega$ Rear panel adjustable
Connectors	BNC female
Bandwidth	Greater than 30Mhz
Level Adjustment	One each channel, +/-25%
Temperature	
Operating	0° ~ 40° C (32° ~ 104° F)
Storage	-40° ~ 60° C (-40° ~ 140° F)
Humidity	
Operating	10% ~ 90% (non-condensing)
Storage	5% ~ 95% (non-condensing)
Power	
Voltage	+5Vdc, +/- 5%
Consumption	approximately 110mA
Power Module	Included, 120VDC input, 50/60Hz, +5VDC output
Size	19.0" (W) x 2.0" (D) x 1.7" (H) 482.6 mm (W) x 50.8 mm (D) x 43.2 mm (H)
Weight	1.6 lb.
RoHS/Lead Free	Compliant

Manufactured in USA by MicroImage Video Systems

## UNPACKING

The VDA124RM/VDA212RM package includes the following items:

VDA124RM or VDA212RM Video Distribution Amplifier  
+5VDC Power Supply Module  
75 ohm 1% Termination ( two for VDA212RM)  
This operation manual

Please inspect all items carefully and report damaged or missing items to your dealer or MicroImage Video Systems.

## CONNECTIONS

### Power

The VDA124RM/VDA212RM uses an external DC power supply to provide power to the unit. It can also be run from a regulated +5VDC (+/- 10%) power source. Connect the small plug from the power module to the power connector on the rear of the VDA unit. Plug the power module into a suitable power source of 120VAC, 50-60Hz (USA units).

### Video

Connect the video source (i.e. camera) to the IN connector on the VDA unit. A 75 ohm termination (supplied) should be placed on the unused Loop BNC, or on the last unit in the chain if connecting multiple units together.

Connect the OUTPUT signals from the VDA unit to the video displays or other equipment as required. Each output must only have a single 75 ohm termination. The VDA124RM has one set of inputs for all 24RM outputs while the VDA212 has two sets of inputs, each driving a row of 12 outputs. The VDA124RM/VDA212RM uses female BNC connectors.

## LEVEL ADJUSTMENTS

Each row of outputs (12) has a level adjustment accessible via the rear panel. For the VDA124RM, each adjustment affects the top or bottom row of output connectors aligned with the adjustment. For the VDA212RM, each adjustment affects it's respective channel aligned with it. Adjustments can be made via a small flat blade screwdriver.