
ENC400

Operation Manual

RGB to NTSC and S-Video Encoder

MicroImage Video Systems
division of World Video Sales Co., Inc.

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Specifications

Input level	(RGB) 1.0 Vpp Composite, 75 Ω terminated (S) 5.0 Vpp max 75 Ω terminated
Output level	(Y & Video) 1 Vpp typical into 75 ohm (C) 0.28 Vpp burst typical into 75 ohm
Connectors	(R, G, B, S, Video) BNC female (S-Video) 4 pin mini DIN F
Resolution	Greater than 400 lines
Modulation	R-Y, B-Y Axes
Genlock	Combination Analog & Digital Synthesis
Sync	Internal (sync on green) or External (default)
Video System	NTSC, RS170
H & V Frequency	15.754 Khz (H), 59.94 Hz (V)
Chroma Frequency	3.579545 Mhz
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	110 ~ 125 VAC, 60Hz, 6W max
Size	6.3" (w) x 5.1" (D) x 1.9" (H)
Weight	160 mm (w) x 130 mm (D) x 48 mm (H) 12 oz.
Manufactured in USA by MicroImage Video Systems	

Unpacking

The ENC400 package includes the following items:

ENC400
12V wall plug transformer
This operation manual

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

Connections

Power

The ENC400 uses a 12 VDC wall plug transformer which is included with the unit. Connect to a source of 120VAC, 60Hz.

Video Connections

Connect the video source (i.e. camera) to the RGBS IN connectors on the VDA unit. Connect the OUTPUT signals (Video or S-Video) from the ENC400 unit to the video displays as required.

The ENC400 is set from the factory to work with external sync. An internal jumper can be changed to select internal (sync on green).

The RGB signal source **must** meet NTSC RS-170(A) specifications (H & V frequency) for this product to work properly.

In case of difficulty

If you are experiencing problems with your MicroImage product, you can contact us in one of the following ways.

Mail	MicroImage Video Systems a division of World Video Sales Company, Inc. P.O. Box 331 # Boyertown, PA 19512
Phone	610-754-6800
Fax	610-754-9766
Email	support@mivs.com
Web	www.mivs.com

Warranty

MicroImage Video Systems warrants that each ENC400 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 ENC400 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	service@mivs.com