



# EN350 MULTIFORMAT ENCODER

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## ***RGB TO BETACAM, MII, S-VHS YC, NTSC***

- ~ The versatile and economical encoding system for computer graphics, weather maps and paint boxes
- ~ Simultaneous outputs of component, YC and NTSC
- ~ Genlocks to external video or color black
- ~ No separate pulses or subcarrier required
- ~ Internal horizontal phasing, advance and delay
- ~ Internal multiformat color bar generator
- ~ Also available in PAL and PAL M standards

**broadcast video systems corp.**

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# EN350 SPECIFICATIONS

## INPUTS

RGB.....	700mVp-p, looping, high impedance Input return loss > 43 dB to 5 MHz Sync-on-green option accepts 1 Vp-p on Green input
GENLOCK REFERENCE.....	1 Vp-p composite video or color black
SYNC (from non-genlock source).	2-4 Vp-p

## OUTPUTS

COMPOSITE NTSC.....	Two, 1 Vp-p into 75 ohms
YC (S-VHS format).....	Y: 1 Vp-p, C: 643m Vp-p into 75 ohms
COMPONENT.....	Y, R-Y, B-Y according to *Betacam or **MII format, factory set

## VIDEO PERFORMANCE

Luminance response.....	+/- 0.25 dB to 5.5 MHz
Luminance non-linearity.....	2%
Chrominance non-linearity.....	2%
Insertion delay.....	415 ns
Luminance/chrominance delay inequality.....	+/- 15 ns
Tilt (line & field).....	<1%
Residual subcarrier.....	10 mV
Sync risetime.....	125 ns
Setup.....	0-10 IRE
Horizontal phasing.....	-4 to +4 microsec, relative to reference input
Subcarrier phasing.....	> 370 degrees
Genlock jitter.....	< +/- 12 ns H, +/- 0.5 degrees S/C

## MECHANICAL AND ELECTRICAL

Dimensions.....	1 RU, 1.75" x 19" x 12"
Weight.....	11 lbs (5 kg)
Power.....	4 VA
Operating temp.....	0 to 45 degrees C

## FRONT CARD EDGE CONTROLS

<u>Encoder PC board</u>	<u>Genlock PC board</u>
RGB level	H phase
Chroma level	S/C phase
Set-up	S/C freq.

Specifications subject to change without notice.

\*Betacam is a Sony trademark

\*\*MII is a Panasonic trademark