



EN300 NTSC ENCODER



Economical, Compact, Rugged, Reliable and Accurate

- ~The perfect RGB to NTSC encoder for computers, weather maps and paint boxes
- ~Generates internal subcarrier in non-synchronous applications (horizontal sync frequency must be approximately 15.750 KHz)
- ~Locks to external sync and subcarrier when RGB source can be genlocked
- ~Internal blanking regenerated in both modes
- ~Optional sync-on-green input
- ~Available in NTSC or PAL standard

SPECIFICATIONS

Inputs

RGB.....	75 ohm terminating BNC. Input gain controls allow levels from 0.5 V to 1 Vp-p. Optional sync-on-green inputs available.
Sync.....	2-4 Vp-p, 75 ohm terminating
Subcarrier (if external).....	2 Vp-p, 75 ohm terminating

Outputs

Composite NTSC.....	Two, 1 Vp-p into 75 ohms
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Video Performance

Luminance freq. response.....	+/- 0.25 dB to 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.....	120 ns
Setup.....	0-10 IRE adjustable
Subcarrier phasing.....	> 360 degrees

Mechanical and Electrical

Dimensions.....	8" x 12" x 1.75"
Weight.....	5 lbs.
Power.....	10 VA nominal
Operating temp.....	0 to 45 degrees C

User Controls: RGB input levels, chroma level, setup, sync level, blanking width, DC level

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