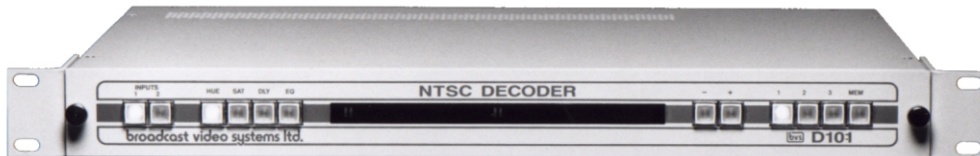




# D101 NTSC DECODER

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The D101 is the ideal decoder for non-broadcast applications where cost is a prime consideration. This decoder has the same unique control system and multiple outputs as our high performance D100, but uses a notch filter for luminance/chroma separation.

## FEATURES

- ~ NTSC and YC inputs
- ~ Simultaneous outputs of Y, R-Y, B-Y and RGBS
- ~ Sync may be added to any of the RGB outputs
- ~ Front panel digital control of Hue, Saturation, E.Q. and Y Delay
- ~ On-board store and recall of three complete control panel settings
- ~ Optional remote control panel

**broadcast video systems corp.**

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## D101 SPECIFICATIONS

### INPUTS (all connectors BNC)

1. NTSC..... 1 Vp-p, looping
2. S-VHS YC (75% sat. bars)..... Y: 1 Vp-p, C: 643mV, looping

### OUTPUTS (all connectors BNC)

1. Y/R-Y/B-Y..... calibrated for \*Betacam, \*\*MII or SMPTE levels
2. RGB, non composite..... 525 mV for 75% saturated bar input  
(sync may be added to any  
output via internal jumpers)
3. Sync..... 4 Vp-p into 75 ohms

### VIDEO PERFORMANCE

- Frequency response Y,R,G,B (no E.Q.).. +/- 1.0 dB to 4.2 MHz, 6 dB notch at 3.58 MHz  
Luminance linearity..... 1.5%  
H & V tilt..... < 0.5%  
Subcarrier rejection..... > 26 dB

### FRONT PANEL CONTROLS (digital, pushbutton operation)

- Hue..... equivalent to +/- 30 degrees in 2.5 degree increments  
Saturation..... increase 60%, decrease 60%  
Luminance equalization..... up to 3 dB at 4.2 MHz  
YC delay..... 5 x 35 ns  
Three memory positions and  
memory store/recall of all  
above parameters  
Input video switching..... NTSC or YC  
Front panel bar graph indicates  
relative offset from unity of all parameters

### REMOTE CONTROL (optional)

1 RU panel, identical to front panel, RS422 control

**POWER**..... 100-120/220-240 VAC, 95 VA

### MECHANICAL

- Main Chassis..... 1.75" x 19" x 12" (1RU)  
Remote panel..... 1.75" x 19" x 2.75" (1RU), rack ears removable

Specifications subject to change without notice.

\*Betacam is a Sony trademark

\*\*MII is a Panasonic trademark