

Xintekvideo INC.

COLOR CORRECTOR/ VIDEO PROCESSOR MODEL VP-900D



DESCRIPTION:

Xintekvideo's Model VP-900D is an all digital Color Corrector/Video Processor with analog input and output interfaces. The VP-900D can be used with NTSC or PAL color signals as a full featured color corrector. Several options are also available for the VP-900D, including digital input/output interfaces, automatic and manual noise reduction for luminance and color difference signals, and up to 400 memory pre-sets. Component analog outputs can also be ordered for the VP-900D, thus converting it into a high quality color decoder.

The Model VP-900D provides a wide-range control of amplitude and pedestal for each primary color, permitting full balance of highlights as well as low lights. The Noise Reduction option features Xintekvideo's **VIP** (Video Improvement Processor) technology. The **VIP** system delivers over 9 dBs or random noise reduction for both luminance and color difference signals. Independent, automatic and/or manual noise reduction of Y, U and V permits system optimization for different types of random noise, e.g. "snow", color streaks, beats etc..

Other processes provided by the VP-900D include luminance high frequency boost (0 to 6 dBs), Gamma correction (.3 to 1.5), and brightness control.

The Model VP-900D features individual, simultaneously operable, independent front panel controls for each function. No need to go through menus and search for the desired function. That makes the system extremely user's friendly.

The Model VP-900D will not affect signals inbedded in blanking as it automatically goes into process bypass during non video time.

SPECIFICATIONS:

Input: NTSC or PAL color signal, 1 volt pp into 75 Ohms.
Optional: 4:2:2 Serial Digital video at 270 Mbs
Processed Output: NTSC or PAL video, 1 volt pp into 75 Ohms.
Optional: Two digital video outputs at 270 Mbs
Frequency Response: Flat, or +3 dBs or +6 dBs HF boost
Processing Accuracy: 10 to 12 bit processing accuracy
CONTROL FUNCTIONS: Red Gain: $\pm 40\%$
Red Pedestal: ± 25 IRE
Blue Gain: $\pm 40\%$
Blue Pedestal: ± 25 IRE
Green Gain: $\pm 40\%$
Green Pedestal: ± 20 IRE
Y set-up: ± 12 IRE
Y Gamma: .3, .5, .8, 1.0, 1.3, 1.5
Y HF Boost: 0dB, 3 dB, 6 dB
Process/Bypass switch

Optional Luminance Noise Reduction: 0 to 9 dB
(Motion and initial picture quality dependent)
Optional Color Difference Signals Noise Reduction: 0 to 9 db
(Motion and initial picture quality dependent)
System Delay: approximately 140 μ sec
Power Requirement: 120v AC, 60 Hz, 15 Watts
Operating Temperature: 32 $^{\circ}$ F to 110 $^{\circ}$ F, ambient
Humidity: 10% to 90% non-condensing
Mechanical: 1RU cabinet: 1.75"H, 19"W, 11"L; 7Lbs

Specifications subject to change without notice. 9/2004

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