

Xintekvideo INC.

SDI COLOR CORRECTOR MODEL HD-950M



DESCRIPTION:

Xintekvideo's Model HD-950M is an all digital Color Corrector that directly interfaces with HD or SD digital video and provides the means to color match any video clip to a wanted color standard. It is most often used to match video to any display characteristics.

The Model HD-950M provides a wide-range control of amplitude and pedestal for each primary color, permitting full balance of highlights as well as low lights. In addition it has controls for Chroma Gain, Brightness, Contrast, and Gamma Correction.

The Model HD-950M permits storing into memory 12 correction pre-sets. Up to 400 pre-sets are optionally available. Any stored preset can be recalled and used to control the video processing. It can also be modified, using the front panel controls, and re-saved into its memory or into a different memory. Optional remote control is available via the USB port of any PC.

The most appreciated feature of the Model HD-950M is its ease of operation due to its 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. Color correction is normally an iterative process in which 6 to 9 different functions may need to be adjusted interactively. The HD-950M provides simultaneous access to all of those functions!

The Model HD-950M will not affect embedded signals in the video stream as it automatically goes into process bypass during non video time.

SPECIFICATIONS:

Input: 4:2:2 Serial HD Digital video at 1.485 Gbs
or SD Digital video at 270 Mbs

Unprocessed Output: Equalized and re-clocked input

Optional Input: Analog Component or Composite Video

Processed Output: Two digital video outputs at 1.485 Gbs
or 270 Mbs (as per input)

Optional Output: Analog Component or Composite Video

Optional Remote Control via the USB port of any PC

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

Chroma Gain: $\pm 50\%$

Y set-up: ± 12 IRE

Y Gain: $\pm 30\%$

Y Gamma: .3, .5, .8, 1.0, 1.3, 1.5, 1.8

Process/Bypass switch

Front Panel or Pre-Set Selection

Pre-set memory selection

Store into memory control

System Delay: 200 nsec. Nominal for HD clock rates

Power Requirement: 100-240v AC, 50/ 60 Hz, 10 Watts

Operating Temperature: 32^o F to 110^o F, ambient

Humidity: 10% to 90% non-condensing

Mechanical: 1RU cabinet: 1.75"H, 19"W, 10"L; 6Lbs

Specifications subject to change without notice. 1/2009

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