

Xintekvideo INC.

SDI COLOR CORRECTOR MODEL HD-900M



DESCRIPTION:

Xintekvideo's Model HD-900M is an all digital Color Corrector that directly interfaces with HD 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-900M 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, and Gamma Correction.

The Model HD-900M 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-900M 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-900M provides simultaneous access to all of those functions!

The Model HD-900M 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 Digital video at 1.485 Gbs
Optional Standard Video 270 Mbs operation
Unprocessed Output: Equalized and re-clocked input
Optional Input: Analog Component or Composite Video
Processed Output: Two digital video outputs at 1.485 Gbs
(Optional 270 Mbs operation)

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 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
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. 07/2008

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