



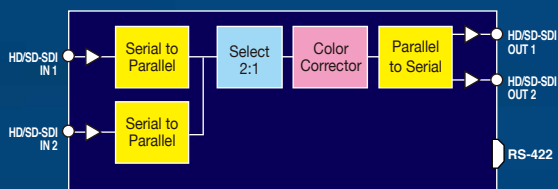
HD/SD Digital Color Corrector

UFM-30DCC

Modular-type HD/SD-supported color corrector that can be equipped to UFM frame. The lineup includes multiple model choices to meet user applications. With a device design that anticipates the next-generation signal specification 3Gbps, the line enables continued device usage during transition to the 1080/60p, 1080/59.94p and 1080/50p formats.

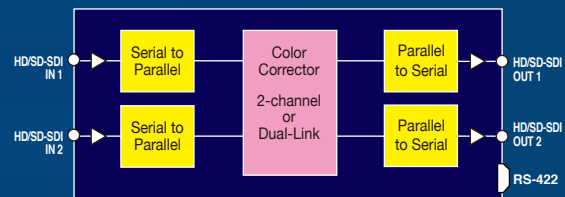
UFM-30DCC

- HD/SD-SDI 2 inputs, 2 outputs (selectable)
- Varied color correction (Balanced, Differential and Sepia modes)
- Gamma adjustment and clip function
- Automatic change-over switching function
- Complete ANC data pass-through



2 input (option)

- HD/SD dual channel color corrector
- Enables 2-channel independent operation or 1-channel Dual-Link operation (switchable)
- Varied color correction mode
- Gamma adjustment and clip function
- Complete ANC data pass-through



Color Correction Features

UFM-30DCC has versatile color correction modes; Balanced, Differential and Sepia. Proc. Amp., gamma corrections and various clip functions are all available. The parameters for any of these functions can be registered in the event memory to enable different changes to be made in the course of sequences.

<Main color correction functions>

- Three color correction functions (Balance, Differential and Sepia)
- Gamma adjustment functions in HIGH, MID and LOW tones
- Proc. Amp. functions (Video level, Chroma level, and Setup level)
- Various clip functions (RGB/YPBPr)

Color correction mode



Balanced mode:
For color correction in RGB signals.

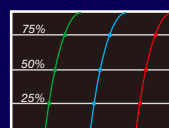


Differential mode:
For color correction without upsetting the white balance.



Sepia mode:
For converting the colors into a monotone.

Gamma function



For gamma correction separately for the RGB signals in the HIGH (near 75%), MID (near 50%) or LOW (near 25%) tone.

Specifications (Preliminary)

Standard	1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 525/59.94i, 625/50i
Standard (option)	1080/60i, 1080/30p, 1080/29.97p, 1080/25p, 1080/24p, 1080/24PsF, 1080/23.98p, 1080/23.98PsF, 720/60p
Video Input	HD-SDI: 1.485Gbps or 1.485/1.001Gbps or SD-SDI: 270Mbps, 75Ω, 2 inputs, BNC
Video Output	HD-SDI: 1.485Gbps or 1.485/1.001Gbps or SD-SDI: 270Mbps, 75Ω, 2 outputs, BNC
Reference Input	BB: NTSC: 0.429Vp-p/PAL: 0.45Vp-p, 75Ω, 1 input, BNC
Processing	4:2:2 (Y: Pb: Pr), Internal process: 4:4:4 (Y: Pb: Pr), 4:4:4 (R:G:B)
Quantization	10-bit, Internal process: 14-bit
Sampling Frequency	HD: Y: 74MHz, C: 37MHz / SD: Y: 13.5MHz, C: 6.75MHz
Process Control	Video level: 50% - 150% Y level: 50% - 150% C level: 50% - 150% HUE: -30° - +30° Setup level: -30% - +30% Y-white clip: 50% - 109% C-white clip: 50% - 111% Y-black clip: -7% - 50%
Color Correction	Mode: balanced, differential, sepia (selectable) White level (RGB): 50% - 150% Black level (RGB): 50% - 150% Gamma level (RGB): 75% - 125% YPbPr Clip RGB Clip: RGB White Clip: -300% - 50%, RGB Black Clip: -50% - +50% Composite Clip: Composite White Clip: -150% - 50%, Composite Black Clip: -50% - +50%
Power	Supply from UFM Frame, +24VDC
Dimensions	UFM 1 slot *Can be installed only into UF-112, not into UF-106/106A.

Please note that the technical details shown here are provisional specifications (as of August 2008). This information is subject to change without notice.

UF-112 Universal Frame (12 Modules)



- Capable of holding up to 12 modules (boards) according to the system.
- Capable of holding UF-112PS redundant power supply (optional).
- Permits hot swapping of power supply and modules. All modules can be replaced through the front side.
- Alarm detections and status indications are displayed on the front-side LED.
- Includes loop-through connector as Genlock input. Genlock input signal can be distributed to all modules.
- Control module is prepared for remote control (optional).

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