

INS/OUTS

2 HD/SD SDI Ins (1920,1280,525,625 auto sense)
4 HD/SD SDI Outs
4 GPI In and 2 GPI Outs
1 LTC In (symmetrical)
1 RJ45 100base_T Ethernet

DIGITAL PROC AMP (YUV)

Y Lift -150/+150mV from nominal
Cb/Cr lift ±150mV from nominal
Y Gain +50% to +200%
Cb/Cr Gain +0% to +200%
Hue±180°
Y Black Clip -50/+50mV from nominal
Y Black Knee +100/-0mV from Black Clip
Y White Clip 760/650mV
Y White Knee -100/+0mV from White Clip
Cb/Cr Clip 150/50%

LEGALIZER

100% removal of illegal colors (if longer than 4 pixels)

COLOR CORRECTOR (RGB)

RGB Black -700/+1440mV from nominal
RGB Peak level -700/+1440mV from nominal
RGB Gamma equivalent to input gamma of +1.0 to 2.8
RGB Black Clip -50/+50mV from nominal
RGB Black Knee +100/-0mV from Black Clip
RGB White Clip 760/650mV
RGB White Knee -100/+0mV from White Clip

TIMING & CROPPING

H Crop 0 to +half video line (linear edges)
V Crop 0 to +half video field

DIMENSIONS (FIG)

44mm (H) x 205mm (W) x 325mm (L)
Rack mounting with **RM1** option (2 units in 1RU)

WEIGHT

2.5kg (without power supply)

POWER

FIG comes with an external 100-240V power supply
Optional redundant power supply (RPSU)
Power consumption: less than 20W

All specifications of this brochure are subject to change without notice. They are given for information only

ORDERING INFORMATION

- FIG** Universal HD-SD SDI to HD-SD SDI OS free computer
External 12V Power Supply
- CO475/485** Single/Dual channel RGB Color legalizer and YUV Proc Amp (SD only)
- CO479/489** same as CO475/479 plus SD/HD support
- CO500/510** Single/Dual channel RGB/YUV Color Corrector and Legalizer (SD only)
- CO509/519** same as CO500/510 plus SD/HD support
- CO520/530** Single/Dual channel RGB only Color Corrector and Legalizer (SD only)
- CO529/539** same as CO520/530 plus SD/HD support
- CO549** 4x4 (RGBK/YUVK) Color Corrector and Legalizer (SD/HD only)
- RC-CO** Remote control for Color Correction
- RM1** Rack mounting mechanics for 1 or 2 FIG modules
- RPSU** Redundant & Hot Swap external Power 12V Supply

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COLOR CONTROL

Software solutions developed on FIG hardware platform

Legalizer (Single/Dual Channel)

CO475/485 (SD) CO479/489 (HD) on FIG

Full Color Corrector (Single/Dual Channel)

CO500/510 (SD) CO509/519 (HD) on FIG

RGB only (Single/Dual Channel)

CO520/530 (SD) CO529/539 (HD) on FIG

4x4 RGBK or YUVK (Single Channel)

CO549 (HD/SD) on FIG

Additional Control unit

RC-CO



RC CO

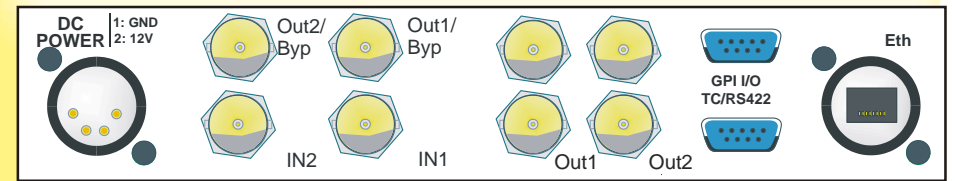
FIG

OS-free 'computer' designed for dual link HD, HD, SDI
Second to none

FIG has everything to suit your needs
Dual HD or SDI Inputs
HD or SDI Outputs
Redundant Power Supply
Ethernet connection
GPIO
Field upgradable firmware from Compact Flash

COLOR CONTROL

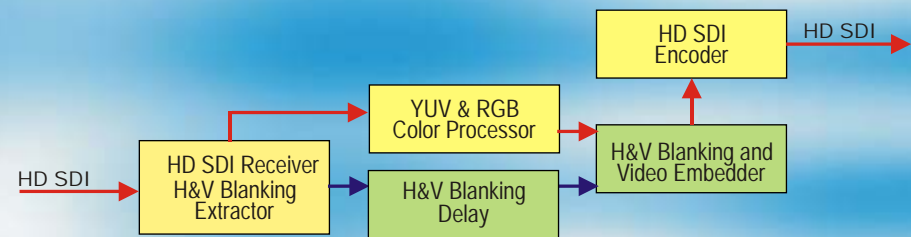
FIG



General functionalities

- Serial SD/HD-SDI Inputs
- Serial SD/HD-SDI Outputs
- LTC symmetrical Input
- 2 GPI Out, 4 GPI In all potential free
- User selectable GPI controls
- Total control from front panel
- 100baseT Ethernet network connector
- 1RU height, half 19" width (2 units in 1RU)

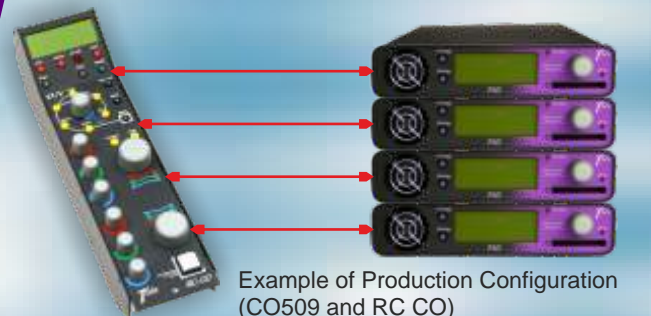
- RGB Color corrector (black, gain, gamma)
- Complete YUV Proc Amp plus YUV Clipping
- True False Color Legalizer with adjustable thresholds (RGB Clipper)
- H and V crop with linear edges
- Input signal can be replaced by one of the 6 embedded digital test patterns
- Process is transparent to embedded audio and VBI
- Controls from front panel or from RC CO



CO509 application Block Diagram

RC-CO Functionalities

- 100 baseT Ethernet network
- Internal 10/100 Ethernet switch with 4 external ports
- Graphics LCD display
- Camera style mechanics
- Direct access to all functions of Color Correctors
- Direct access to all devices on network



Example of Production Configuration (CO509 and RC CO)

VT3