

**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



# Tcube



RC CO

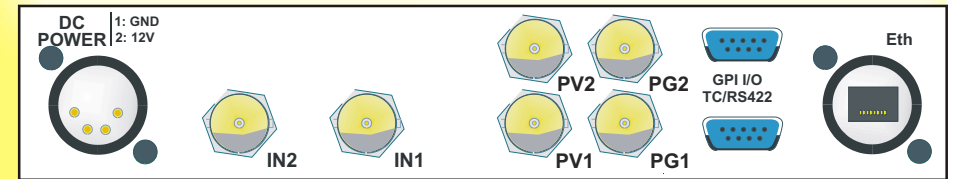
# FIG

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
- GPI I/O
- Field upgradable firmware from Compact Flash

# COLOR CONTROL

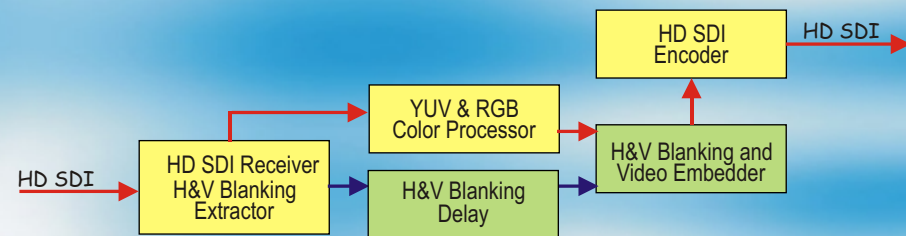
FIG



## 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)

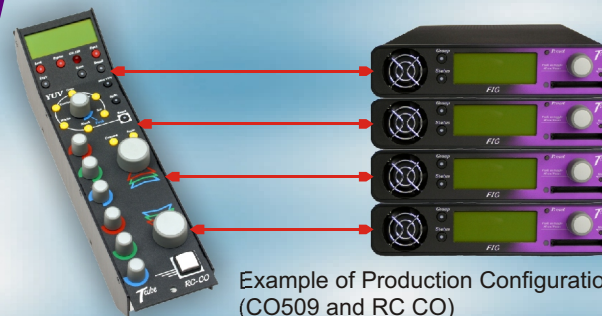
- RGB Color corrector (black, gain, gamma)
- Complete YUV Proc Amp plus YUV Clipping
- True False Color Legalizer with adjustable thresholds (RGB Clipper)
- H and V crop with linear edges
- Input signal can be replaced by one of the 6 embedded digital test patterns
- Process is transparent to embedded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

Tcube