

INS/OUTS

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

LEGALIZER

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

CROPPING

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

DIGITAL PROC AMP (YUV 1D LUT)

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°

COLOR CORRECTOR (RGB 1D LUT)

RGB Black -700/+1440mV from nominal
RGB Peak level -700/+1440mV from nominal
RGB Gamma (1D LUT) with gamma between 0.3 to 2.8
RGB Bezier (1D LUT) for non linear transfer function

3D LUT

17 nodes per Color, 12 bit accuracy
Transfer from Compact Flash or Ethernet into FIG Hardware
Published file format
Compatible with LUTher and Kodak file formats

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
- LUT409** Single channel RGB Color legalizer and 1D LUT
- LUT449** same as LUT409 with 4x4 (YUVK or RGBK) I/O
- LUT509** Single channel RGB Color legalizer and 3D LUT
- LUT549** same as LUT509 with 4x4 (YUVK or RGBK) I/O
- LUT559** Single channel RGB/YUV Color Corrector and Legalizer plus 1D-3D LUT
- LUT599** same as LUT559 with 4x4 (YUVK or RGBK) I/O
- RC-CO** Remote control for Color Correction
- RM1** Rackmounting mechanics for 1 or 2 FIG modules
- RPSU** Redundant & Hot Swap external 12V Power Supply

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1D-3D LUT CONTROL

Software solutions developed on FIG hardware platform

Legalizer and 1D LUT

LUT409
LUT449 (in 4x4)

Legalizer and 3D LUT

LUT509
LUT549 (4x4 I/O)

Full Color Corrector with 1D LUT and 3D LUT

LUT559
LUT599 (in 4x4)

Additional Control unit

RC-CO



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FIG

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

FIG has everything to suit your needs
Dual HD/SD-SDI Inputs
HD/SD-SDI Outputs
Redundant Power Supply
Ethernet connection
GPI I/O
Field upgradable firmware from Compact Flash

RC CO

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1D-3D LUT CONTROL

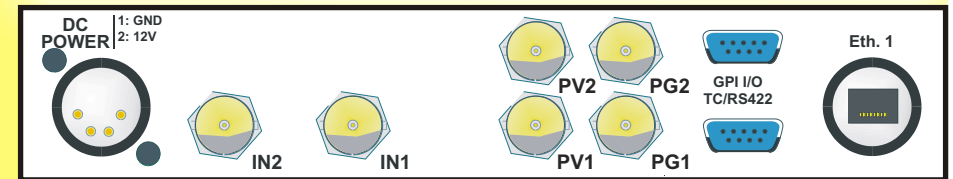
FIG



LUTxx9 Functionalities

General Specs (common to all models)

- Serial SD/HD-SDI Inputs
- Serial SD/HD-SDI Outputs
- Process is transparent to embedded audio and VBI
- 2 GPI Out, 4 GPI In all potential free
- User selectable GPI controls
- 100baseT Ethernet network connector
- 1RU height, half 19" width (2 units in 1RU)



3D LUT

- Accepts 3D LUT files at Kodak, Panavision and Luther (GVG) formats
- Each LUT has 17 nodes per color with 12 bits accuracy
- 3D LUT files are loadable locally from compact flash or remotely over Ethernet using TOMATO

1D LUT

- RGB Color corrector (black, gain)
- 1D LUT for gamma or bezier curve function
- Complete YUV Proc Amp plus YUV Clipping

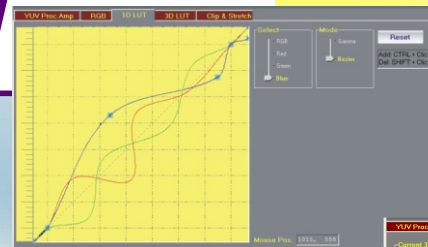
Miscellaneous (common to all models)

- True False Color Legalizer with adjustable thresholds (RGB Clipper)
- H and V crop with linear edges
- Controls from front panel, RC CO or TOMATO (PC software control)

	LUT 409	LUT 449	LUT 509	LUT 549	LUT 559	LUT 599
Legalizer	X	X	X	X	X	X
4x4 Dual Link		X		X		X
1D LUT	X	X			X	X
3D LUT			X	X	X	X
Dual 1D LUT						
Dual 3D LUT						

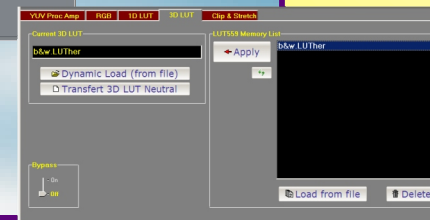
RC-CO Functionalities

- 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



Remote Operation with TOMATO

TOMATO is free of charge



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