

INS/OUTS

1 HD/SD SDI Int
1 HD/SD SDI Reference In (1920,1280,525,625 auto sense)
4 HD/SD SDI Outs
4 GPI In and 2 GPI Outs

SYNCHRONIZER

H Timing : 1 video line relative to Ref
V Timing : 1 picture relative to Ref

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)

TIMING & CROPPING

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

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

SUPPORTED HD FORMATS

720p at 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
1080i at 50, 59.94, 60Hz
1080p at 23.98, 24, 25, 29.97, 30Hz
1080sF at 23.98, 24Hz

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

SYROCCO-SD (SY600) application
RGB Color Corrector/Legalizer and Video Synchronizer (SD-SDI only)

SYROCCO-HD (SY609) same as SY600 plus SD/HD support

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

Doc 2008-0--SYROCCO-V4.00

SYROCCO

One box SD/HD Synchronizer and RGB color corrector/legalizer

Software solutions developed on FIG hardware platform

SYROCCO SD
SY600 on FIG

SYROCCO SD-HD
SY609 on FIG

Additional Control unit
RC-CO for SY600 or SY609



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RC CO

FIG

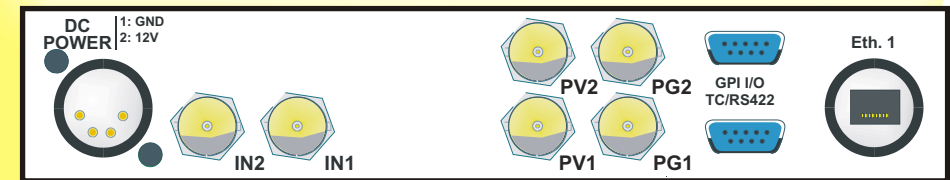
OS-free 'computer' designed for dual link HD, HD, SDI
Second to none

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

SYROCCO

One box SD-HD Synchronizer and RGB color corrector/Legalizer

FIG

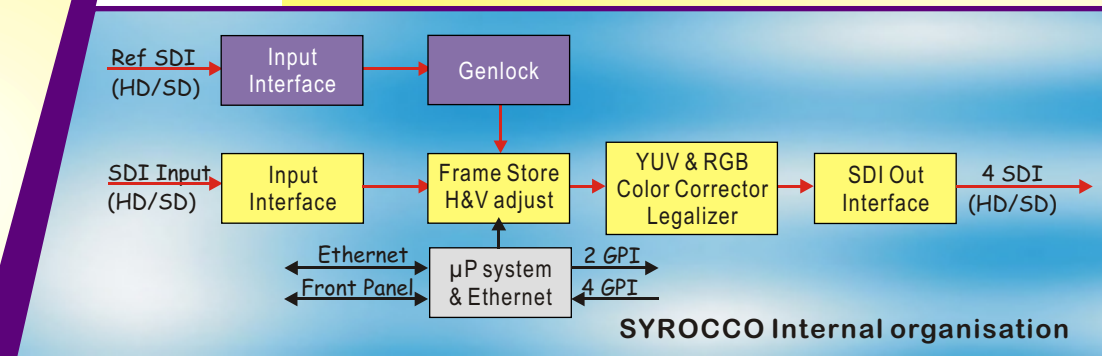


SYROCCO functionalities

- Serial SD/HD-SDI Inputs
- Serial SD/HD-SDI Outputs
- 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)

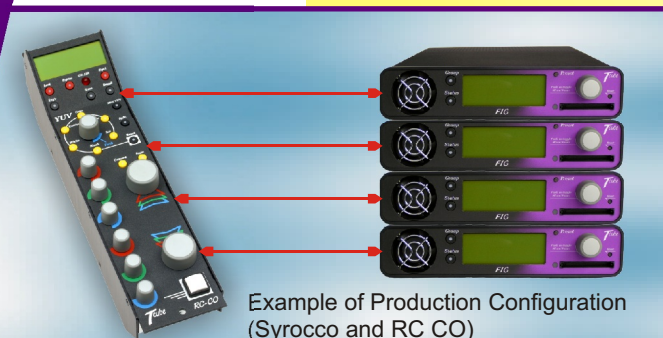
- Total H and V timing adjustment relative to SD/HD-SDI sync
- Storage includes embedded audio and VBI
- Sync ref is obtained from SD/HD-SDI Sync input

- 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
- Controls from front panel or from RC CO



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 SY600, SY609
- Direct access to all devices on network



Example of Production Configuration (Syrocco and RC CO)

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