

INS/OUTS

1 SD SDI In
4 SD SDI Outs (one with bypass relay of Input)
4 GPI In and 2 GPI Outs

AR CONVERTER

16:9 In to 14:9 or 4:3 Out
4:3 In to 16:9 or 14:9 Out

WSS/AFD Data Inserter

User selectable WSS/AFD data inserter

DIGITAL PROC AMP (YUV) (UL500)

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) (UL500)

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

CROPPING (UL500)

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

AR400 application
SD 16:9 to 4:3 and vice versa AR Converter
WSS-AFD Data Inserter

AR500 application
SD 16:9 to 4:3 and vice versa AR Converter
WSS-AFD Data Inserter
Full RGB Color Corrector and YUV/RGB Legalizer

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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ASPECT RATIO

Software solutions developed on FIG hardware platform

SD Aspect Ratio Converter
SD 16:9 and 4:3 Aspect Ratio Converter
WSS-AFD inserter
AR400 on FIG

SD AR Converter and RGB Color Corrector
SD 16:9 and 4:3 Aspect Ratio Converter
WSS-AFD inserter
RGB Color Corrector
YUV/RGB Legalizer
AR500 on FIG

Additional Control unit
RC-CO for AR500



Tcube



RC CO

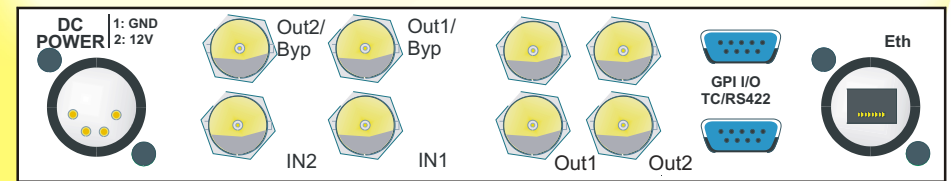
FIG

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

ASPECT RATIO

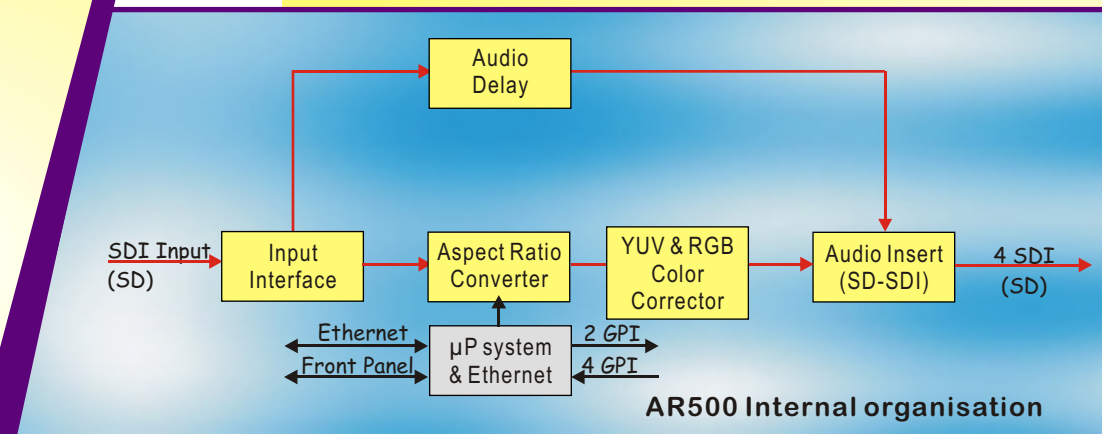
FIG



SD 16:9 to 4:3 and vice versa RGB Color Corrector - Legalizer

AR400/500 functionalities

- Serial SD-SDI Input
- Serial SD-SDI Outputs (one with Bypass Relay)
- 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)
- 16:9 to 14:9 or 4:3 Converter
- 4:3 to 14:9 or 16:9 Converter
- WSS or AFD Data insertion
- 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
- 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 UL509, UL519
- Direct access to all devices on network



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