

USER MANUAL

VCF-005PEA

Broadcast level SD/HD/3G-SDI to HDMI&AV Converter with USB



Our Broadcast level SD/HD/3G-SDI to HDMI&AV(CVBS) is designed according to broadcast requirement. This device is used to convert HD-SDI signal to HDMI and AV display with analog audio independent audio output.

Features

- * Up, Down or Cross scaling from SD/HD/3G-SDI to HDMI by dip switch or soft
- * Automatically format switch from HD-SDI to HDMI & AV
Auto-detecting NTSC/PAL output
- * 2Ch professional balance analog audio Output from HD-SDI signal de-bedding
- * HD-SDI format :
480i, 576i, 525i, 625i, 720P50/59.94/60, 1080P23.98/24/25/29.97/30
1080i50/59.94/60, 1080P50/59.94/60
- * Support SMPTE 425M(A and B level) · SMPTE424M ;
SMPTE292M · SMPTE259M-C ;
- * Support HDMI 1.3a, HDCP 1.3, HDMI EDID-learning
- * LED indicator : Power, SDI input detected, HDMI detected
- * Power supply : DC12V, 1A

Technical Specifications

Modle	SD/HD/3G-SDI to HDMI&CVBS Converter
Input interface	1X SD/HD/3G-SDI (1X SD/HD/3G-SDI Loop-out)
Standard	SD-SDI(270Mbps), HD-SDI(1.485Gbps), 3G-SDI(2.97Gbps)
Format	SMPTE-259/274/292/296/372/424/425
Output format	480i,576i,480p, 576p, 720p@50/59.94/60,1080i@50/59.94/60, 1080p@24/25/29.97/30, 1080p50/59.94/60
SDI Latitude	0.8Vp-p
SDI Impedence	75OHM
SDI Couple	AC
SDI Jitter value(typical)	SD-SDI≤0.1UI HD-SDI≤0.2UI 3G-SDI≤0.4 UI
Distance	Belden 1694A: SD-SDI 400m · HD-SDI 200m · 3G-SDI 140m
Output interface	
HDMI1.3A	1×HDMI
CVBS	1×BNC-F
Audio (Two channel analog audio 1Vp-p)	1×3.5mm phone jack
HDMI bandwidth	165MHz/ (HDMI 1.3)
Color Encoding	4:2:2 YUV
Input format	480i,576i,480p, 576p, 720p@50/59.94/60,1080i@50/59.94/60, 1080p@24/25/29.97/30, 1080p50/59.94/60 · AV (CVBS) : PAL(576i) / NTSC(480i)
USB interface	USB2.0 / firmware upgrade or switch format soft
Power supply	5~24VDC
Measure (mm)	156*100*36
Weight	520g
Working Temperature	-10 -- + 80
Storage temperature	-20-- + 70

Application:

