

BOARD PLUG-IN EK-DCD/2 EK-DCD/3 "DECODER MPEG-2"



The board EK-DCD/2 EK-DCD/3 allows to decode a video signal plus two audio channels in digital form according to specific MPEG-2 (Main profile@ Main level 4:2:0).

The decoder section has one analogue video output, two analogue audio output and one digital input on ASI interface (Asynchronous serial interface). The same output interfaces can be used with digital signals, SDI for the video and AES-EBU for audio signals (SDI with audio embedded for board EK-DCD/3 board).

Furthermore the board allows to decode every teletext signal present inside the ASI input.

Features

- MPEG-2 4:2:0
- DVB-ASI Input
- NTSC/PAL compliant
- MPEG-1 LAYER 1/2 audio dencoding
- SDI digital video interface
- Audio Embedded (EK-DCD/3)
- AES-EBU digital audio management
- Analogue Audio Output
- Complete web management

Applications

- Digital Microwave Links
- DTV, DVB-T, DVB-S



TECHNICAL SPECIFICATION

Video output	
Video output format	Analogue: Composite PAL
Composite video output	1 Vpp 75 Ohm with BNC socket
Digital video output	SDI
Video decoding	
Standard	ISO / IEC 13818-2 MP@ML (MPEG-2 4:2:0)
VBI processing	Teletext
Audio output decoding	
Audio output format	Analogue: Two channels
Digital Audio output format	AES – EBU on Hirose 6 poles female connector (XLR as option using cable adapter) Decode Audio embedded supported only on board EK-DCD/3
Audio output level	Selectable between – 6 dB \pm 0.5 dB
Audio output impedance	600 Ohm
Stream and interfaces	
Stream type	Transport stream on ASI interface

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