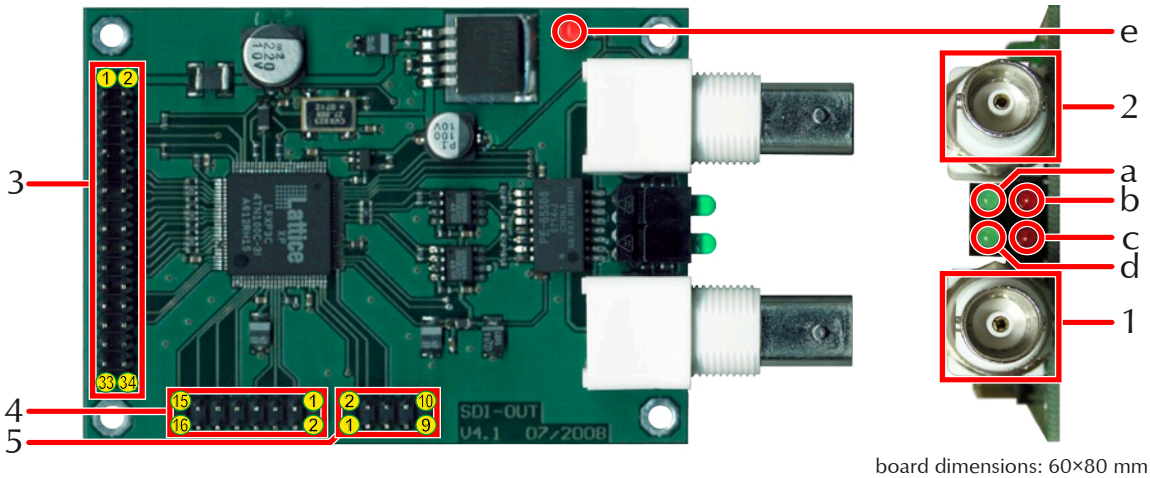
1. Board Overview



board dimensions: 60×80 mm

Connectors			
	1	BNC Connector 75 Ω	SDI Out 1
	2	BNC Connector 75 Ω	SDI Out 2
	3	26pin Header	ITU656 Input
	4	16pin Header	Digital Audio Input
	5	10pin Header	do not use

LEDs			
	a	LED green	Video ok
	b	LED red	SDI out 2 active
	c	LED red	SDI out 1 active
	d	LED green	Audio ok
	e	LED red	Power

2. Connector description

3 – ITU656 Input			
1	+5.0 V	2	+5.0 V
3	+5.0 V	4	+5.0 V
5	SDA	6	not connected
7	SCL	8	not connected
9	GND	10	GND
11	ITU656 CLK	12	not connected
13	not connected	14	not connected
15	ITU656 Data 6	16	ITU656 Data 7
17	ITU656 Data 4	18	ITU656 Data 5
19	ITU656 Data 2	20	ITU656 Data 3
21	ITU656 Data 0	22	ITU656 Data 1
23	GND	24	GND
25	not connected	26	not connected
27	not connected	28	not connected
29	GND	30	GND
31	not connected	32	not connected
33	not connected	34	not connected

4 – Digital Audio Input			
1	+5.0 V	2	+5.0 V
3	not used	4	not used
5	not used	6	not used
7	not used	8	not used
9	I2S Data	10	GND
11	I2S SCLK	12	GND
13	I2S LRCK	14	GND
15	I2S MCLK	16	GND

3. Application

The SDI Output board can be connected to the MPEG Decoder's Transport Stream B Output (Connector 2 at the MPEG Decoder's datasheet). If embedded audio output is required, the MPEG Decoder's I²C Audio Output must be connected to the Digital Audio Input of the SDI Output board (Connector 4, Pins 9, 11, 13 and 15). Valid video and audio data received by the SDI Output board is signalled by LEDs a and d.

copyright © SR-Systems

Errata/corrections:

22.03.2010 Release v1.0 en

The information in this datasheet was compiled with high care and to our best knowledge; nevertheless there might be some errors left in this document. We do not take legal or any other responsibility for the correctness of any information.

This doument is protected by copyright law. All rights including copying, translation, microfilming as well as storage and processing in electronic systems are reserved.

We are happy to receive your comments and questions:

SR-Systems
Brüder-Grimm-Straße 130
36396 Steinau

Tel.: +49 (66 63) 91 88 66
Fax: +49 (66 63) 91 88 67
eMail: DATV@SR-Systems.de