

SONY FCB H11 / FCB EH HDSDI Interface specifications

	H11	EH6300	EH3400	EH3300	EH3150	SE 600
DVI 1080p25, 1080p30		✓				✓
DVI 1080i50, 1080i60	✓	✓				✓
DVI 720p50, 720p60	✓	✓	✓	✓	✓	✓
DVI 720p25, 720p30	✓	✓	✓	✓	✓	✓
HD Analogue Y, PbPr	✓	✓	✓	✓	✓	

Functions	Specifications	Functions	Specifications
Digital video output	HDSDI SMPTE 292 M	Latency	LVDS input to HDSDI output : 14 microseconds
Analog video output	Y, Pb, Pr 75 ohms, 1V p to p	Power	6 to 12 VDC, 6 W (including camera) 5V for SE 600
Video output standard configuration	Micro switches	Environmental	0°C to 60°C
Camera setting	RS232 or TTL, RX, TX, SONY VISCA protocol	Storage	-20°C to 60°C
Video output connector	BNC (SMB, MCX available in option)	Regulation	EMC FCC part 15, PCB : UL 94 V0
		Dimensions (mm)	48 (H) x 45 (L) x 20 (P)

SONY FCB H11 / FCB EH HDSDI Interface connection and configuration



J6	Power
1	6 to 12 VDC
2	GND

J3	Analog SD video output
1	VBS out
2	GND
3	Y
4	C
5	GND

J7	HD video and COM signal
1	Y
2	GND
3	Pb
4	GND
5	Pr
6	GND
7	TX RS232
8	RX RS232
9	GND
10	Not Connected




1	2	3	4	FCB-H11	FCB-EH SERIE
OFF	OFF	OFF	OFF	External	External
ON	OFF	OFF	OFF		1080p30
OFF	ON	OFF	OFF		1080p25
ON	ON	OFF	OFF	1080i59,94	1080i60
OFF	OFF	ON	OFF	1080i50	1080i50
ON	OFF	ON	OFF	720p59,94	720p60
OFF	ON	ON	OFF	720p50	720p50
ON	ON	ON	OFF		720p30
OFF	OFF	OFF	ON		720p25
ON	OFF	OFF	ON	NTSC	NTSC
OFF	ON	OFF	ON	PAL	PAL



LED Blinking	Status
1 blink	Firmware loading
2	Decoder initialization OK
3	FPGA loading OK
4	Camera Dialog OK
5	Video format config OK
6	FPGA video processing OK
7	Video format modification by switches.

TTL / RS232 Dialog level	Open	Bypass
PS 3	RS232 level	TTL level input
PS 4	RS232 level	TTL level input

SONY FCB H11 / FCB EH HDSDI Interface product code

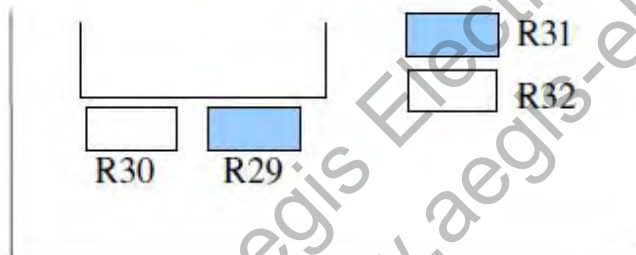
	HDMI Conversion module for SONY FCB H11	HDSDI Conversion module for SONY FCB EH / SE 600
Product code	SDI-H11	SDI-EH
Content	Interface electronic board ref TV10 0010	
Mechanical interface	Right angle black anodised aluminium plate +screws	
Analog camera link	24 pins FCC 150 mm length	
Digital camera link	SSL20-10SSB-009-B Cable assembly	USL20-30SS-005-C Cable assembly
Power input wires	2 ways harness, 200mm length for power connector (J6)	
Analog HD output wires	10 ways harness, 200mm length for HD video / com signal connector (J7)	
HDSDI connector options		 

3.4 RS232 / TTL mode :

Four resistors (0 Ohms) allow to select the serial link electronic level.

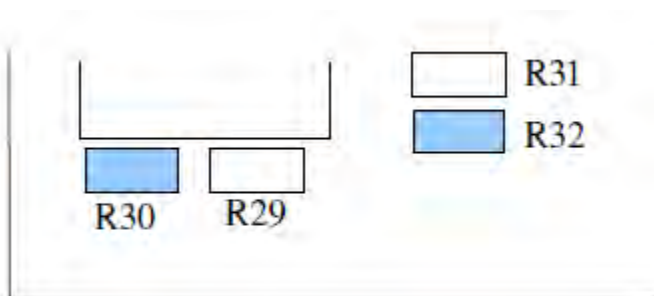


RS232 mode; the signals are converted before the camera input (factory setting)



R29 and R31 must be soldered. (R30&R32 must be removed)

- **TTL mode, the signals are going directly to the SONY camera. without RS232 conversion**



R30 and R32 must be soldered, (R29&R31 must be removed)