



3G SDI Digital video output.

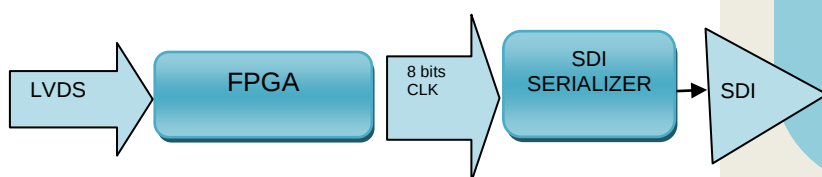
TTL or RS232 VISCA dialog level.

12 VDC protected power supply for interface and camera

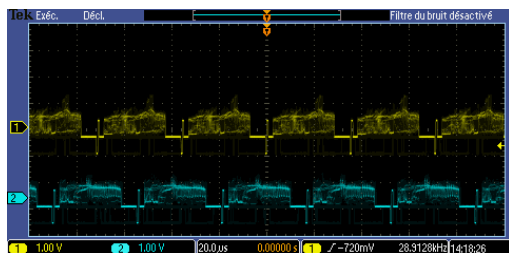
Automatic internal / external synchronization switching

25, 30, 50, 60 Hz management

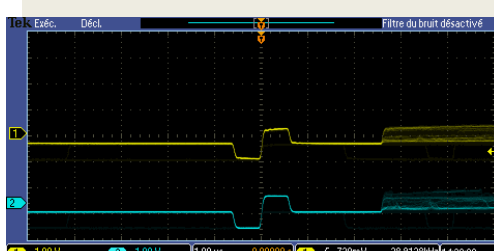
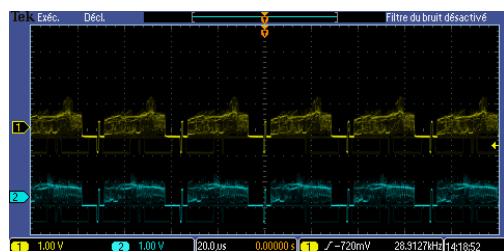
All specifications of the standard SONY FCB EV camera are preserved.



Video output without External synchronization



Video output with External synchronization



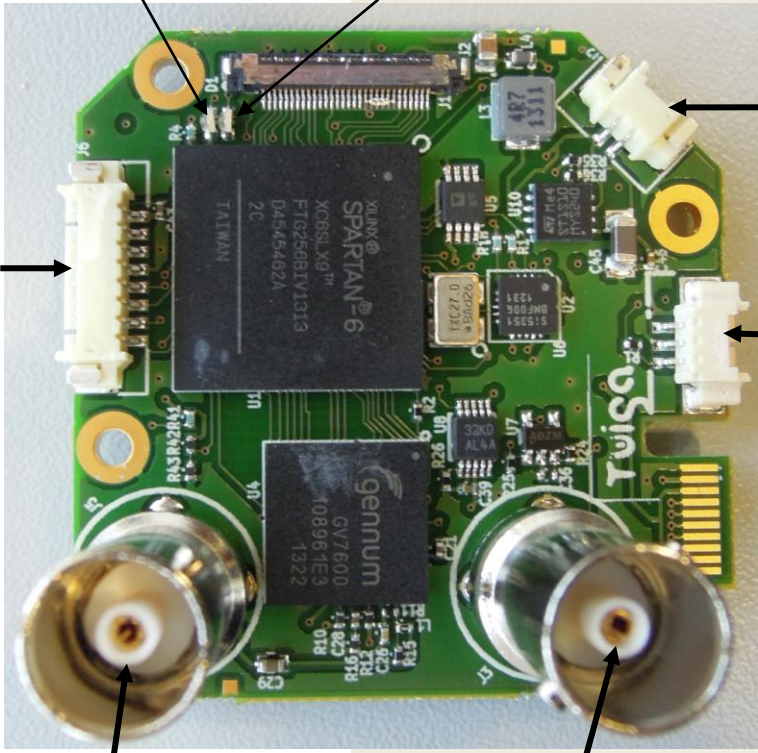
SONY FCB EV SDI Interface connection and configuration

Functions	Specifications
Video output format	HD: 3G, 1080P, 1080i, 720P
Video format	1080p25 , 1080p30, 1080p50, 1080p60
Sync signal input	Y-HD Video, Trilevel 800mV, 75Ohms, Digital HD / VD
Time to synchronize	8 to 12s
Camera setting	RS232 , RX , TX , VISCA
Power	12 VDC, 6 W (including camera)
Environmental	0°C to 60°C
Storage	-20°C to 60°C

LED1 :Sync mode :
Fixed : external lock
Flashing : internal

LED 2Master sync
presence on Coaxial
input

J6	COM / SYNC signal
1	GND
2	TXD
3	RXD
4	GND
5	VSsync Out
6	HSsync Out
7	VSsync In
8	HSsync In



J2	Power
1	12 VDC
2	GND

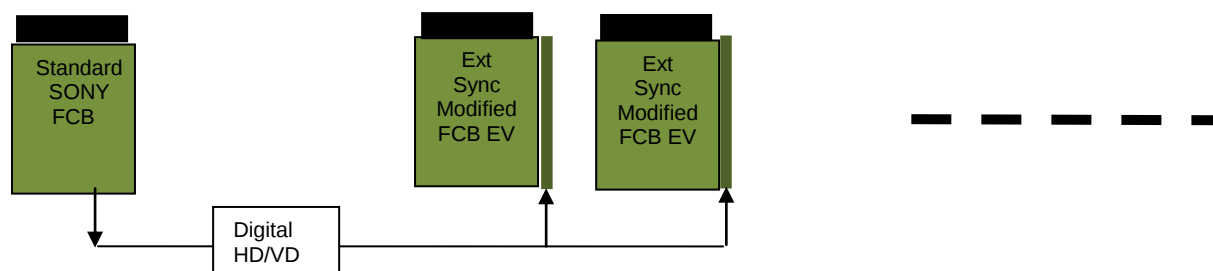
J4	Clock Out
1	Clock out
2	GND
3	NC

J5	Video out
1	HDSDI out
2	GND

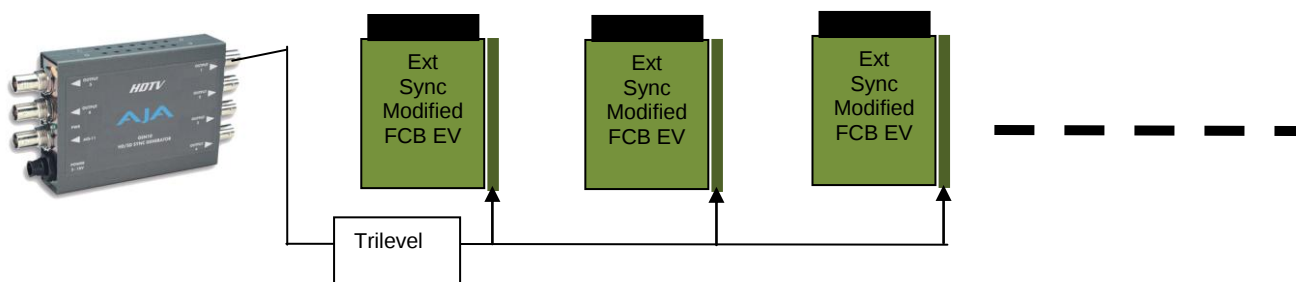
J3	Sync In
1	Sync In
2	GND

Applications:

Case 1: A SONY FCB is used as sync generator to genlock the cameras.



Case 2: A broadcast sync generator is used to genlock the cameras



	External Sync and HDSDI conversion module for SONY FCB EV serie
Product code	TV10 XXXX
Content	HDSDI & Sync board ref TV10 XXXX
	SONY FCB EV with pixel clock input/output modification
Interfaces	200mm length for Comm & Sync signal connector (J6)
	200mm length for power (J2)
Mechanical interface	Right angle aluminum plate +screws