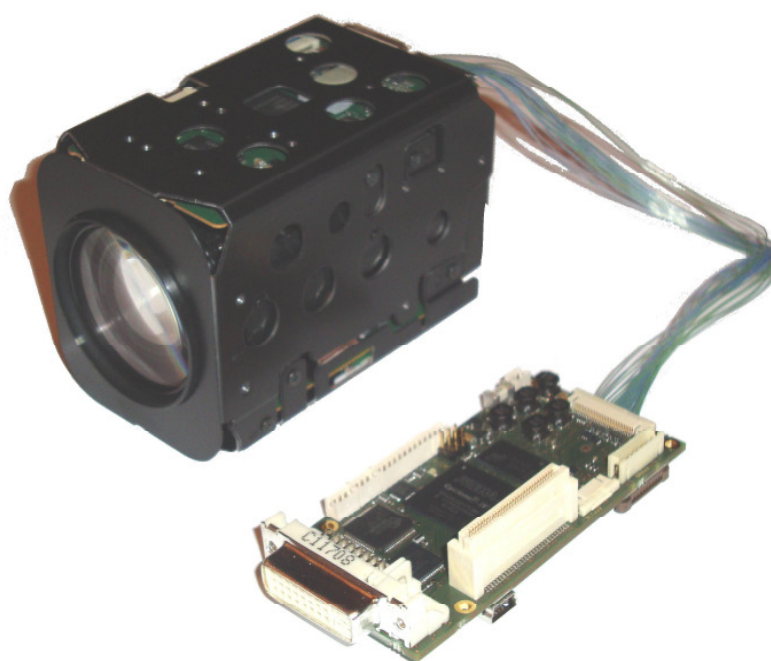


Entner Electronics

FCB-IF-EV

FCB-IF

FCB Digital Interface Board



Introduction

The FCB-IF-EV and FCB-IF are interface boards used to provide both DVI and USB support for Sony FCB-EV, FCB-EH and FCB-SE camera module series.

Special features are frame rate doubling, flash triggering and push-button / OSD control of the camera.

Output resolutions up to 1080p60 (1920 x 1080, "Full-HD") are supported. Interlaced modes are not supported by default. The FCB-IF-EV supports also the new 1080p50/60 modes of the FCB-EV series.

The FCB-IF-EV features optional aberration correction and temporal noise reduction to boost image quality.

Features

- Interface to digital output (30pos LVDS connector) of Sony cameras FCB-EV, FCB-EH series and FCB-SE600
- Provides DVI output up to 1080p60
- Provides frame rate doubling on DVI output (up to 1080p60) for 25Hz and 30Hz inputs
- Provides USB 2.0 interface (480Mb/s)
- FCB-IF-EV: Supports aberration correction for many modules like FCB-EH6300, FCB-EV7500, etc.
- FCB-IF-EV: Supports temporal noise reduction
- Optional SD Card interface to store images without the need for a PC
- Optional support for synchronized flash triggering
- Can translate UVC commands, SPEED commands (RS-232) and push-buttons into VISCA protocol
- OSD (On Screen Display) menu for convenient camera setup
- Also supports VISCA pass-through mode
- Firmware updates via USB or RS-232
- Custom modifications and extensions possible

Supported Cameras, Resolutions and Frame Rates

Resolutions on DVI-D out and USB 2.0 out with FCB HD cameras								
Camera Setting	1080p/60	1080p/50	1080p/30	1080p/25	720p/60	720p/50	720p/30	720p/25
DVI-D out	1080p/60	1080p/50	1080p/60	1080p/50	720p/60	720p/50	720p/60	720p/50
USB 2.0 out	1080p/20	1080p/25	1080p/30	1080p/25	720p/60	720p/50	720p/60	720p/50
FCB-EV7500	x (EV)	x (EV)	x	x	x	x	x	x
FCB-EV7310	x (EV)	x (EV)	x	x	x	x	x	x
FCB-EV7300	x (EV)	x (EV)	x	x	x	x	x	x
FCB-EV7100	x (EV)	x (EV)	x	x	x	x	x	x
FCB-EH6500			x	x	x	x	x	x
FCB-EH6300			x	x	x	x	x	x
FCB-EV5500					x	x	x	x
FCB-EV5300					x	x	x	x
FCB-EH3400					x	x	x	x
FCB-EH3410					x	x	x	x
FCB-EH3300					x	x	x	x
FCB-EH3310					x	x	x	x
FCB-EH3150					x	x	x	x
FCB-SE600 (5V)			x	x	x	x	x	x

x (EV): Supported by FCB-IF-EV only

x: Supported by FCB-IF and FCB-IF-EV

Specification and availability subject to change without notice

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