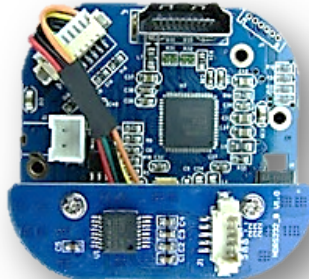


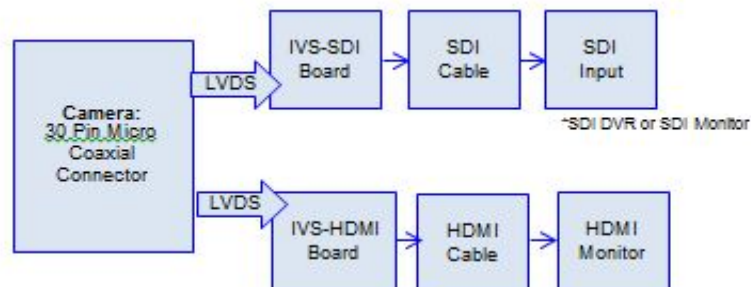
HDMI & HD-SDI Camera Interfaces
Compatible w/ Sony HD Block Modules



IVS-HDMI



IVS-SDI



IVS Imaging introduces the new HDMI & SDI Camera Interface Boards. The small form factor converts the LVDS camera Signal into HDMI & HD-SDI formats for use w/ Sony FCB-EH Series & FCBSE600 high definition cameras. 1080p, 1080i & 720p standards are supported.

- Supports Sony FCB-EH6500/6300/3410/3310/3150 (DC12V Interface)
- Supports new 3X Optical Sony FCB-SE600 (DC5V Interface Only)
- 1080i/60 (30pfs), 1080i/50 (25fps) 1080p/30, 1080p/25
- 720/60, 720p/50, 720p/30, 720p/25 video output support
- Automatic video mode input detection
- HD-SDI output compliant to SMPTE292M / SMPT274M / SMPTE296M
- HDMI (DVI compatible) video output selection (via jumper)
- Native digital signal processing (no scaling) for excellent image quality
- IR Remote control including Zoom functions with *optional* Serial interface board (IVS-CTRLB)
 - OSD control Interface with resolution change without use of external computer
- Support for VISCA via RS232 /CMOS 3.3V TTL using control board provided (IVS-RS232/TTL)
- Support for RS485 Pelco D protocol using optional control board (IVS-CTRLB)
- Power Supply Voltage DC6V to DC12V regulated (DC5V when used with FCB-SE600)
- Single board, small size 45mm x 48mm (IVS-CTRLB: same form factor)
- **Kit Includes:** Camera Bracket w/ screws (FCB-EH Series Only), Interface Board w/ RS232 board connected, LVDS Cable, SDI or HDMI cable, RS232 control cable & power supply.

IVS-HDMI & SDI Specifications

Power

Power Source

FCB-EH6300/4300	DC12V
FCB-SE600	DC5V

Power Consumption

FCB-EH6300/4300	5 W (lens motor inactive)
FCB-SE600	4 W (lens motor inactive)

Communication

Protocol	VISCA or Pelco D
Interface	RS-232-PC or RS-485
Baud Rate	2400, 4800, 9600, 19200 bps
Communication Distance	25m (RS-232) 1200m (RS-485)
Connection	D89 female or 2 pin connector

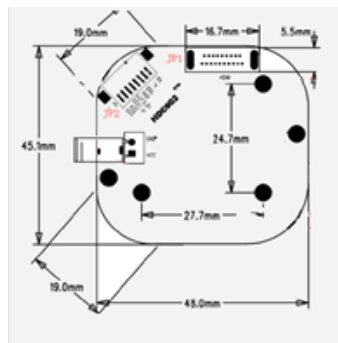
OSD Functions

Lens Setup	Focus Mode, Speed, Digital Zoom
Exposure Setup	AE mode, Shutter, Slow Shutter, Gain, Iris, Exposure, Backlight
White Balance Setup	WB-Mode, R-Gain, B-Gain
Day/Night Mode	On-Off
Noise Reduction	On-1-2-3-4-5-Off
Wide Dynamic Range	On-Off-Auto
Function Setup	Resolution, Installation, Display, Restore Defaults, Baud Rate, Camera ID, System Information

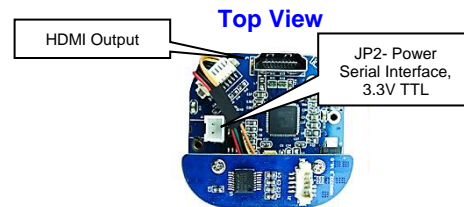
Board Mechanical

JP2—8PIN_1.25mm

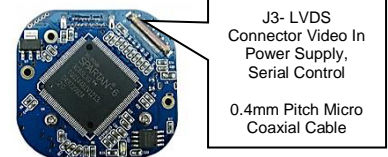
1	RX
2	TX
3	GND
4	GND
5	N/C
6	N/C
7	VCC
8	VCC



Board Connectors IVS-HDMI



Bottom View

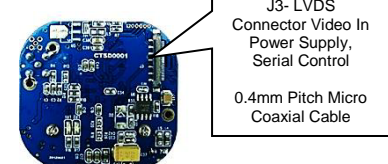


Board Connectors IVS-SDI

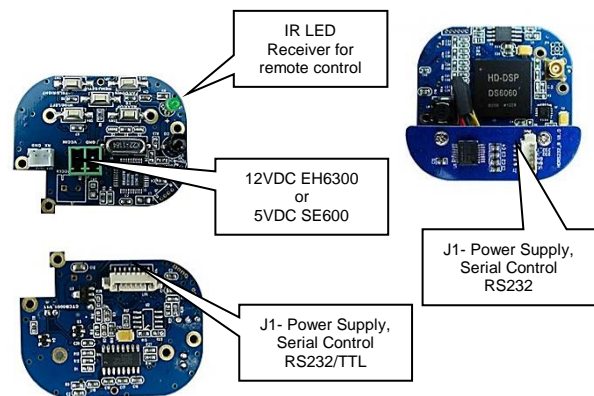
Top View



Bottom View



Board Connectors IVS-CTRLB & IVS-RS232/TTL



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