# HD-SDI Interface Board
## for SONY FCB-EV7520A

**VIDTEK**



*VTK-520-HDSDI* of 1.5G HD-SDI PCB for use with Sony *FCB-EV7520A* block camera provides a much more flexible solution for HD-SDI output and offers the end user a simplified installation of the camera which is capable of carrying HDTV video signals across long distances. This will provide the end user with a clean and crisp high definition picture. The serial interface on this product allows user to control compatible Sony block cameras by providing TTL and RS232C level.

- Medical Applications
- Industrial Vision
- Security
- Broadcasting
- Drone Camera
- Underwater Applications

## Housing options

Custom designed Housing, Back Panel and Mounting Bracket are available upon request*



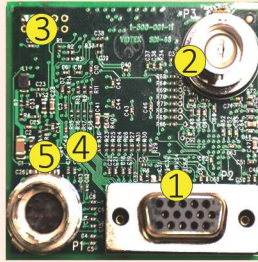\* For more inforamtion please refer to Vidtek Camera Series catalog.

## Sony FCB-EV7520A



- Capture crisp, clear Full HD (1080/60p) images
- Fast, bright lens with rapid 20x optical zoom
- StableZoom™
- 2D/3D Noise Reduction
- Clear vision round the clock with Day/Night
- Auto ICR (Auto IR-cut Filter Removal)
- Spherical privacy zone masking One-cable connection for simpler integration
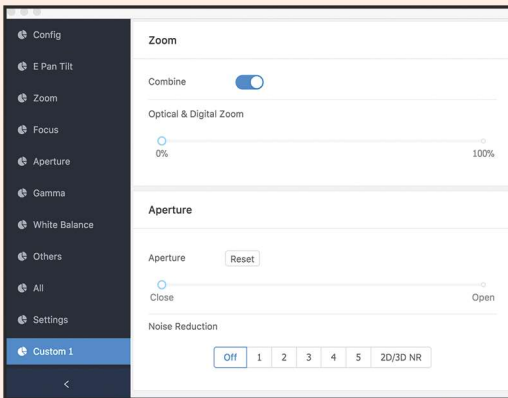- Wide range of features for versatile operation

# Available in one type:



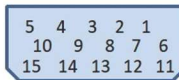| | Connectors | Features | Accessories |
|---|---|---|---|
| **VTK-520-HDSDI** | ① DB-15 connector | • Compact design | • 1× 30Pin micro coax cable |
| | ② BNC for HD-SDI or VBS video output | • Crisp clear HDTV video | • 1× Power cable |
| | ③ 10-pin all-in one header | • Standard or custom made connectors of choice | • 1× Silicon rubber |
| | ④ Power LED | • Switch between HD-SDI and analog | • CA-000 Interface box * |
| | ⑤ 12-pin Hirose connector | | • PA-009 Power supply * |

\* Sold separately

- Inputs
  - Voltage: +9.0 to +12V
    *(9.0V recommended)*
  - RS-232C
  - LVDS from FCB-EV7520A

- Outputs
  - HD-SDI (SMPTE292M/259M)
    - 1080p (30/29.97/25Hz)
    - 1080i (60/59.94/50Hz)
    - 720p (30/29.97/25Hz)
  - VBS/NTSC Analog output

- 1.485 or 1.485/1.001GHz
- 10 to 50°C Operational Temperature
- 52(W) × 48(H) mm
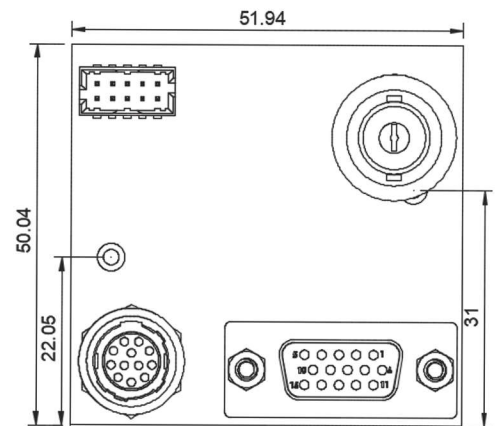- Direct mount, bracket mount and panel mount options available

## Software



| | |
|---|---|
| RED | 1 |
| GREEN | 2 |
| BLUE | 3 |
| ------ | 4 |
| GND | 5 |
| RED(GND) | 6 |
| GREEN(GND) | 7 |
| BLUE(GND) | 8 |
| ------ | 9 |
| GND | 10 |
| ------ | 11 |
| SDA | 12 |
| H-Sync | 13 |
| V-Sync | 14 |
| SCL | 15 |

```
 5  4  3  2  1
10  9  8  7  6
15 14 13 12 11
```

## Dimension



51.94
50.04
22.05
31

Vidtek has developed an intuitive control software and API for Sony block cameras. Our highly customizable user friendly software works with VTK-520-HDSDI series and FCB-EV7520A.

For evaluation or any other inquiry, please contact Vidtek at: *info@vidtek.com*