3G-SDI Premium
Interface board

Dual output. Long distance. High quality.

No need to choose between SDI and analog. The 3G-SDI Premium converts LVDS video from zoom block cameras to **uncompressed 3G/HD-SDI & analog** simultaneously.

Save time, space and cost with this compact all-in-one module. Designed for **seamless integration** into industrial and medical systems, it eliminates the need for multiple conversion boards.

Compatible with Sony's and Tamron's zoom block camera range, including the latest Sony FCB-EV9520L & Tamron MP3010.

be **visionary**

3G-SDI Premium

KEY FEATURES

- Output 3G/HD SDI
- Uncompressed full HD video stream
- Video resolution up to 1080p60
- Automatic LVDS camera video format detection
- Analog video output:
  - Composite video (CBVS)
  - S-Video (Y/C)
  - Component video (YPbPr)
- Multiple format possibilities: Letter box, Squeeze, Crop
- Communication: UART RS232 or TTL (selectable by DIP switch)
- Camera output video format configuration by DIP switches
- Setup and update via UART

FUNCTIONS	SPECIFICATIONS
Digital video output	3G/HD SDI - SMPTE 424 M, HD-SDI 292 M
Analog video output	PAL/NTSC
Digital video output connector	BNC (default) or MCX or SMB
Analog video output connector	Molex
Camera control	VISCA commands via UART RS232 (default) or TTL
GPIOs	Camera commands
Power supply	7 to 12 VDC
Operating temperature range	0°C to 60°C
Storage temperature range	-20°C to 60°C
Regulation	CE EMC compliant, PCB: UL 94 V0
Dimensions (mm)	48(H) x 45(W) x 13(D)
Weight	15g

Ordering information

PART NUMBER (P/N)	DESCRIPTION
TV10 0090	3G-SDI Premium interface board*
TV50 0020	Mounting kit - Includes: 30-way USL20-30SS-012-C cable assembly, 2-way power supply cable, 10-way COM cable, 7-way GPIO cable, right-angle anodized aluminum bracket, screws & spacers
TV50 0021	Cable kit - Includes: 30-way USL20-30SS-012-C cable assembly, 2-way power supply cable, 10-way COM cable
VOPTEM 02	MCX connector option
VOPTEM 03	SMB connector option
VOPTEM 04	Without connector
VOPTEM 05	TTL option

*The electronic board comes with a BNC connector by default and is natively configured with RS232

Need a custom version ?

We support **tailored solutions** based on your system's layout, connector positions, or special commands. Let's talk about your integration!

About i2S | Twiga

For over 45 years, i2S has been a leading expert in high-quality image capture and processing. In 2023, i2S expended its expertise by acquiring Twiga, a global specialist in video acquisition, transmission and processing.

Today, partners with customers on complex imaging projects, applying its knowledge across various fields, including industry, heritage digitization, underwater imaging, health & wellness.

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