LVDS to analog & HDMI
Interface board

Compact. Versatile. Cost-efficient.

Twiga's interface board easily converts LVDS signals from Tamron zoom block camera to **analog HD (1080p30)** or **SD (PAL/NTSC)**or **HDMI output.**
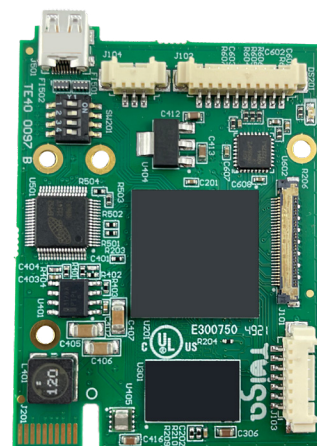
Its **ultra compact** form factor ensures **easy integration** for industrial, medical or drone applications. This board offers a smart and cost-effective solution for adding analog or HDMI output to your project.

Compatible with Tamron's zoom block camera range, including the latest Tamron MP3010.

be **visionary**

LVDS to analog & HDMI

KEY FEATURES

- HD analog video output: Component video (YPbPr)
- SD analog video output: Composite video (CVBS), S-Video (Y/C)
- Analog video output resolution up to 1080p30
- HDMI 1.3 output
- HDMI video output resolution up to 1080p60
- Automatic LVDS camera video format detection
- Multiple format possibilities: Letter box, Squeeze, Crop
- Communication: UART RS232 or TTL
- Camera output video format configuration by DIP switches

FUNCTIONS	SPECIFICATIONS
HD analog video output	720p50/60, 1080p25/30 (YPbPr)
SD analog video output	PAL with 1080p25/50, NTSC with 1080p30/60 (Y/C - CVBS)
Analog video output connector	Molex
HDMI Digital video output	HDMI 1..3
HDMI Digital video output connector	Micro-HDMI connector
Camera control	VISCA commands via UART RS232 (default) or TTL
GPIOs	Camera commands
Power supply	8 to 12 VDC
Operating temperature range	0ºC to 60ºC
Storage temperature range	-20ºC to 60ºC
Regulation	CE EMC compliant, PCB: UL 94 V0
Dimensions (mm)	55(H) x 41.5(W) x 7(D)
Weight	13g

Ordering information

PART NUMBER (P/N)	DESCRIPTION
TV10 0070	LVDS to analog & HDMI interface board
TV50 0015	**Mounting kit** - Includes: 30-way USL20-30SS-012-C cable assembly, 10-way cable for power supply/UART TTL/Analog output, 3-way cable for RS232, 7-way cable for GPIOs, screws & plastic spacers

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 expanded its expertise by acquiring Twiga, a global specialist in video acquisition, transmission and processing.

Today, i2S partners with customers on complex imaging projects, applying its knowledge across various fields, including industry, heritage digitization, underwater imaging, and health & wellness.