HDMI
Interface board

Simple. Reliable. Efficient.

The Twiga HDMI board converts the native LVDS video signal from zoom block cameras to HDMI standard, providing **high-definition & uncompressed video.**

Powered by an FPGA, the Twiga HDMI enables **custom image processing features** such as color and contrast enhancement, OSD, ROI extraction.
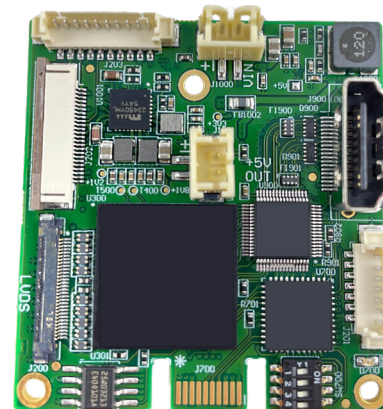
This **compact and low power consumption** module is ideal for your industrial and medical application.

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

be **visionary**

HDMI

KEY FEATURES

- HDMI 1.3 output
- Uncompressed full HD video stream
- Video resolution up to 1080p60
- Automatic LVDS camera video format detection
- Analog video output: Component video (YPbPr) from the camera
- Communication: UART RS232 or TTL
- Camera output video format configuration by DIP switches
- Auxiliary power output 5VDC, 1A

FUNCTIONS	SPECIFICATIONS
Digital video output	HDMI 1.3
Digital video output connector	HDMI Type A
Camera control	VISCA commands via UART RS232 (default) or TTL
GPIOs	Camera commands
Power supply	7 to 12 VDC
Auxiliary power output	5V, 1A
Operating temperature range	0º to 60ºC
Storage temperature range	-20ºC to 60ºC
Regulation	CE EMC compliant, PCB: UL 94 V0
Dimensions (mm)	48(H) x 45(W) x 12(D)
Weight	15g

Ordering information

PART NUMBER (P/N)	DESCRIPTION
TV10 0032	HDMI interface board
TV50 0022	**Mounting kit** - Includes: 30-way USL20-30SS-012-C cable assembly, 2-way cable for power supply, 7-way cable for GPIOs, 10-way cable for RS232/UART TTL, FFC cable, right-angle black anodized aluminium bracket, screws & spacers
TV50 0017	**Cable kit** - Includes: 30-way USL20-30SS-012-C cable assembly, 2-way cable for power supply, 10-way cable for RS232/UART TTL

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.