HDMI 4K
Interface board

Compact. Simple. Efficient.

The Twiga **HDMI 4K** interface board converts video signals from Sony 4K zoom block cameras delivering **uncompressed video** from **Full HD up to true 4K.**

Optimized for industrial vision applications, the board supports external synchronization with Sony FCB-ER8550. ideal for **multi-camera environment.**
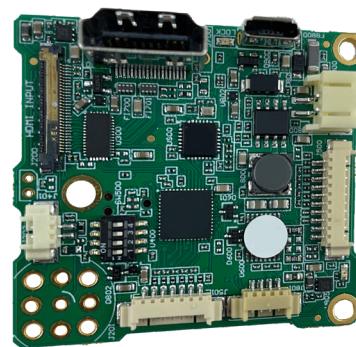
Rear-mountable directly behind Sony 4K cameras, the board ensures seamless mechanical integration. **Small in size, big on performance and fast to deploy.**

Compatible with Sony's 4K zoom block camera range, including the latest FCB-ER9500 model.

be **visionary**

HDMI 4K

KEY FEATURES

- HDMI 1.4b output
- Uncompressed 4k video stream
- Video resolution up to 2160p30
- Communication: UART RS232 or TTL
- Camera output video format configuration by DIP switches
- USB micro-B for communication with the camera and update
- External synchronization input (for Sony FCB-ER8550)
- Auxiliary power output 5VDC, 1A
- Drive HDMI cable up to 20m (65.61 ft)

FUNCTIONS	SPECIFICATIONS
Digital video output	HDMI 1.4b
Digital video output connector	HDMI Type A
External synchronization connector	Molex and coaxial BNC or MCX connector (optional, not mounted by default)
Camera control	VISCA commands via micro-USB and UART RS232 (default) or TTL
GPIOs	Camera commands
Power supply	6 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 11(D)
Weight	12g

Ordering information

PART NUMBER (P/N)	DESCRIPTION
TV10 0077	HDMI 4K interface board
TV50 0024	**Mounting kit** - Includes: 30-way USL20-30SS-012-C cable assembly, 2-way cable for power supply, 10-way cable for RS232/UART TTL, 7-way cable for GPIOs, right-angle black anodized aluminum bracket, mounting 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.