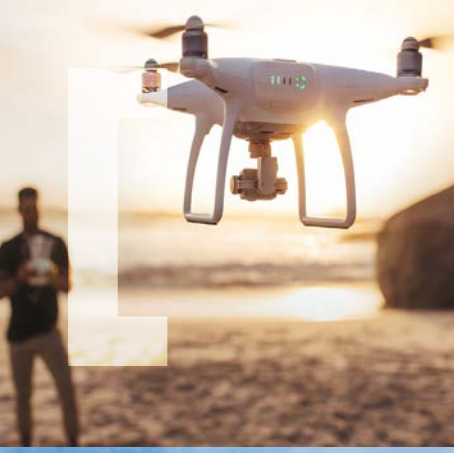

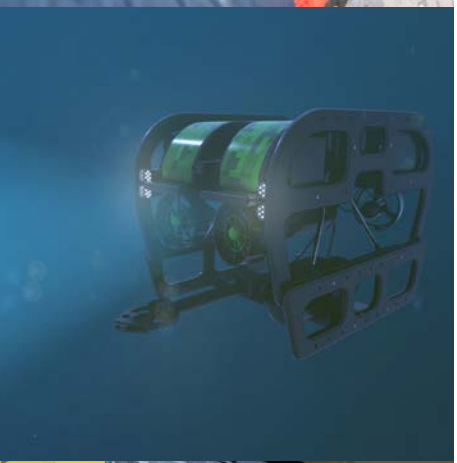

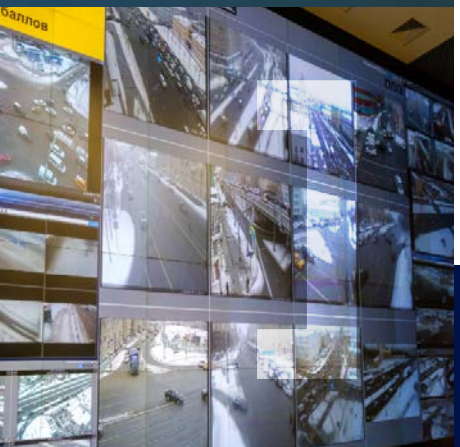

Blue Mamba Neo
Interface board

Stream. Record. Customize.

The Blue Mamba Neo converts LVDS video from zoom block cameras into **IP and HDMI** streams in real-time with **low latency.**

Powered by a **Dual core** ARM Cortex™ -A9 processor, Blue Mamba Neo is the ideal platform for industrial, security and drone applications.

Equipped with its **onboard web interface**, this module simplifies configuration, enables **recording** and **snapshot**, making it suitable for fast integration in **embedded vision systems.**

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

be **visionary**

Blue Mamba Neo

KEY FEATURES

- i.MX Dual Core ARM Cortex™-A9
- IP stream video resolution up to 1080p30
- h.264 baseline profile encoding
- Automatic LVDS camera video format detection
- HDMI 1.4a video output resolution up to 1080p60
- Communication: UART RS485 or TTL
- Video inputs: LVDS, MIPI, add-on connector for HD-SDI, Analog or USB
- Video streaming over IP supporting several protocols: RTSP, RTP multicast, RTP MPEG2TS
- Record and snapshot available
- Storage: local and micro-SD card slot
- ONVIF S Profile compliant
- Setup and update via website

FUNCTIONS	SPECIFICATIONS
IP Digital video output	RTSP (up to 20 Mbit/s) - RTP multicast - RTP MPEG2TS
IP Digital video output connector	RJ45 Ethernet connector
HDMI Digital video output	HDMI 1.4a
HDMI Digital video output connector	Micro-HDMI connector
Ethernet	10/100 Mbits/s Ethernet (available on a remote molex connector)
Camera control	VISCA commands via UART RS485 (default) or TTl, Pelco support
GPIOs	Configurable
Power supply	6 to 12 VDC
Operating temperature range	0° to 60°C
Storage temperature range	-20°C to 60°C
Regulation	CE EMC compliant, PCB: UL 94 V0
Dimensions (mm)	57(H) x 50(W) x 15(D)
Weight	28g

Ordering information

PART NUMBER (P/N)	DESCRIPTION
TV20 0012	Blue Mamba Neo interface board
TV50 0012	**Cable kit** - Includes: 30-way USL20-30SS-012-C cable assembly, 2-way cable for power supply, 12-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.

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