

Video processing module

The video processing module is designed to process video from UAV gimbal or onboard cameras in real-time. It is fully compatible with Pixhawk family autopilot and can be used to process digital and analog video signals. Enabling such features as digital video stabilization, target tracking, and onboard video recording and streaming. It can be delivered as a rugged module or OEM solution for your specific application.

Features:

- Onboard recording and H.264 IP streaming;
- Target tracking;
- Digital video stabilization;
- Compatible with Pixhawk family autopilot (MAVlink Protocol);
- Compatible with the BaseCam Electronics gimbal controller.



Technical specifications:

Applications:

- Digital Video Stabilization;
- Onboard recording;
- IP streaming;
- Target Tracking;
- Integration with USG-212 EO/IR gimbal;
- Integration with Pixhawk (MAVlink Protocol).

Video inputs/outputs:

- 1080p @ 60 FPS video;
- 3G-SDI Input;

- Analog Input (NTSC/PAL);
- 3G-SDI video output.

Communication Interfaces:

- 1x Ethernet 10/100/1000 Mbps;
- 2x Serial TTL;
- 1x RS-232 or Serial TTL;
- 1x RS-485 or Serial TTL.

Operating Systems:

- Linux.

Video Port:

- 2x Input Module;
- 1x Output Module;
- 1x HDMI Output.

Supported Video Modules:

- HD-SDI Input: 3G-SDI, 1080 P 30 FPS, Optional camera power supply 12 V 0.5 A;
- Analog Input: Two-Channel NTSC/PAL, Optional camera power supply 12 V 0.5A, 5 V 1 A;
- SDI Output: 3G-SDI, 1080 P 30 FPS.

Supported Storage Device:

- Micro SD Card (up 64 GB);
- SATA 3.0, 2.5 HDD/SSD.

Dimensions:

- Weight: 795 g;
- Length: 120 mm;
- Width: 155 mm;
- Height: 100 mm.