



THE NEXT GEN PLUG & PLAY GIMBAL

PIXY LR^{SP} V2

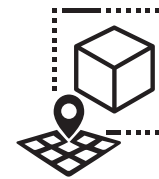
STREAMLINED WORKFLOW
WITH SMARTER GEOTAGGING

gremsy.com

PIXY LR S-PORT V2

Meet the Gremsy Pixy LR S-PORT V2 - a highly integrated gimbal system that helps simplify field operations for industrial professionals. Designed specifically for the Sony ILX - LR1 camera, the Pixy LR S-PORT V2 embeds the TAG-E geotagging module directly into the gimbal's core architecture.

TYPICAL APPLICATIONS



MAPPING

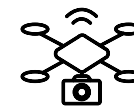


INSPECTION



LIGHTWEIGHT 462 G WITH S-PORT MECHANISM

Optimized for extended flight times and features Gremsy's innovative S-PORT Quick Release, enabling plug-and-play integration with multiple payloads across the ecosystem, including ZIO and VIO.



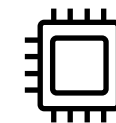
FULL CAMERA CONTROL OF SONY ILX-LR1

Simplified interface via USB-C connection for faster UAV operation, providing full control through a simple interface, without requiring additional development.



EXIF PHOTO & MOVIE GEOTAGGING

Automatically embed GPS and flight data into photo EXIF metadata and generate SRT files with video telemetry, simplifying post-processing and mapping workflows.



CONTROL STANDARD

Seamless camera control through MAVLink Camera Protocol V2, compatible with QGroundControl and MAVCAM, and validated with ArduPilot and PX4 platforms, including Pixhawk and CubePilot.



PRECISION TIME SYNCHRONIZATION

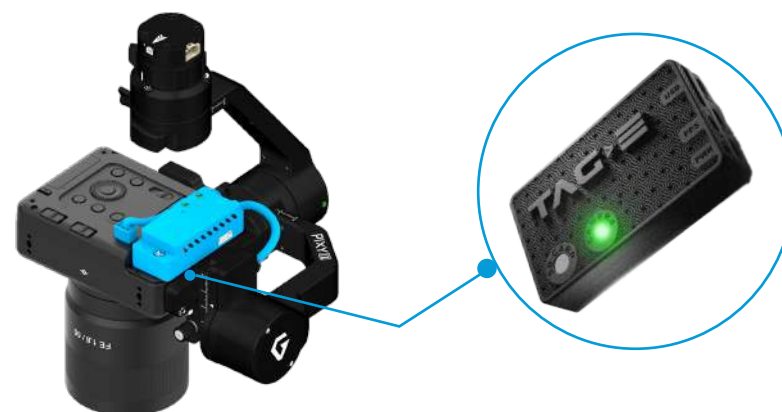
TAG-E integrated to the gimbal, synchronizes the camera with precise UTC time from a PPS-capable GPS/RTK source for accurate geotagging. It also automatically updates the camera's clock and time zone using GPS data.

PIXY LR^{SP} V2

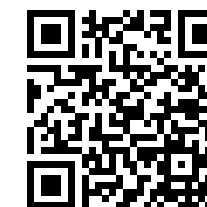
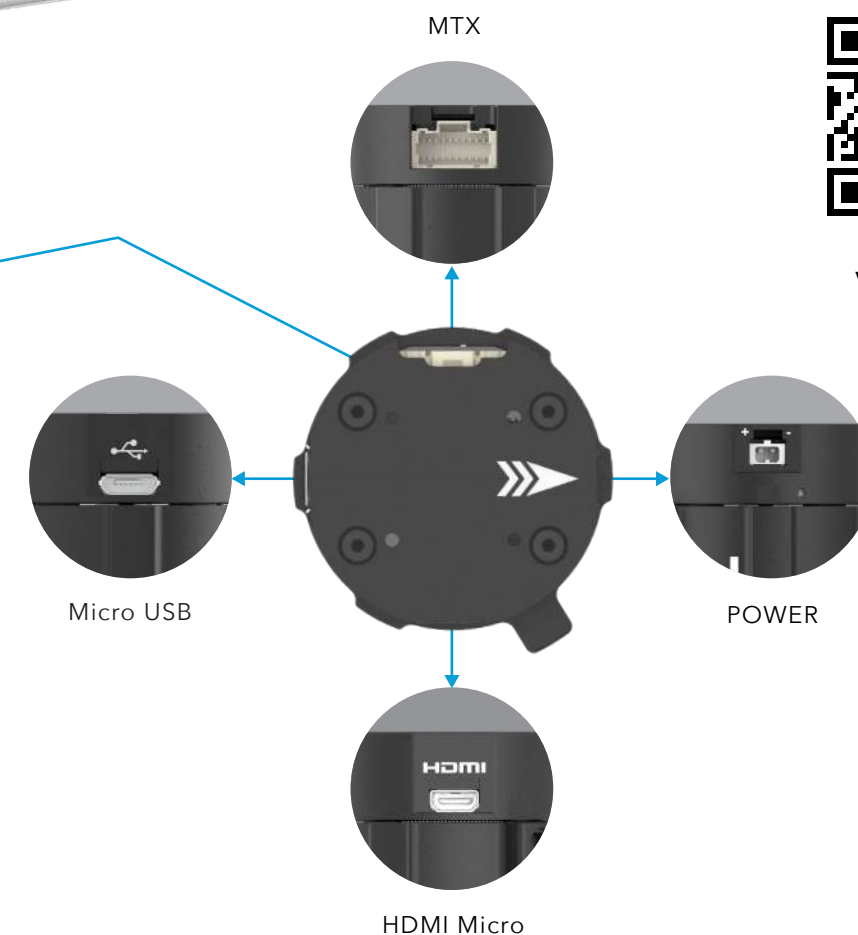


SHARED QUICK-RELEASE ECOSYSTEM

Designed specifically for devices featuring the S-PORT, this mounting system unlocks seamless cross-compatibility among S-PORT supported Gremsy gimbals and payloads. It empowers professionals to quickly twist and release between these dedicated solutions, no tools, no hassle.



TAG-E MODULE BUILT IN



SCAN TO
VIEW MORE

QUICK SPECS

Gimbal Weight	462 g
Gimbal Dimension (DxWxH)	140 x 115 x 183 (mm)
Supported Camera	Sony ILX - LR1
Supported Lenses	SELP1635G, SEL24F28G, SEL28F20, SEL35F28Z, SEL35F18F, SEL40F25G, SEL50F25G, SEL55F18Z, SEL85F18
Supported Drone Platforms	Hardware platform: Pixhawk, CubePilot Autopilot platform: Ardupilot, PX4
Quick Release	S-PORT
Input Power	15 - 52V DC
Damping Type	Pixy S/LR Damping
Gimbal Mount	Bottom mount
Operation Modes	On/Off Lock mode Follow mode / Mapping mode
Controlled Rotation Range	Pan axis control: $\pm 320^\circ$ Tilt axis control: $+40^\circ \sim -120^\circ$ Roll axis control: $\pm 40^\circ$