GREMSY

PRODUCT
CATALOGUE

CONTENT

ABOUT GREMSY

Established in 2011, Gremsy is a global leading manufacturer of quality, cutting-edge camera stabilizers that are used by mappers, surveyors, inspectors, drone service providers, industry experts, and professional filmmakers.

Our gimbals are designed to be highly adaptable for integration with a variety of drones and payloads, providing steady footage and efficient solutions for a multitude of industrial applications. We also develop customized projects to offer customers flexible solutions tailored to their needs.

PRODUCT LINES

PIXY SERIES
Pixy SM, Pixy U, Pixy F, Pixy WS, Pixy WP, Pixy WE

T & S SERIES
Gremsy T3, Gremsy Two-Axis T3V3, Gremsy T7, Gremsy S1

PE SERIES
Pixy PE, Gremsy T3 PE

PAYLOADS
Zio

OTHER SERIES
Aevo, Mio & Gremsy H16

OUR CUSTOMERS & PARTNERS

SONY	PHASEONE	ACECORE	Workswell	ICI INFRARED CAMERAS INC	TELOPS
Sony	Phase One	Acecore Technologies	Workswell	ICI	Telops
SKYFISH	ACSL	OFIL SYSTEMS	Auterion	Hexadrone	HEX
Skyfish	ACSL	Ofil	Auterion	Hexadrone	Hex Technology

PRODUCT LIST

PIXY SERIES

PIXY WP
Weight 446g
Payload Wiris Pro,
Wiris Agro R

PIXY SM
Weight 570g
Payload Sony A7R IV

PIXY U
Weight 465g
Payload 465g

PIXY WE
Weight 500g
Payload Wiris Enterprise

PIXY WS
Weight 470g
Payload Wiris Security

PIXY F
Weight 360g
Payload Flir Duo Pro R

T & S SERIES

GREMSY T3
Weight 1200g
Payload 1700g

GREMSY T7
Weight 1860g
Payload 3175g

GREMSY S1
Weight 830g
Payload 750g

GREMSY TWO-AXIS T3V3
Weight 745g
Payload 1700g

PE SERIES

PIXY PE
Weight 470g
Payload 465g

GREMSY T3 PE
Weight 1010g
Payload 1700g

OTHER SERIES

MIO
Weight 250g
Payload 400g

AEVO
Weight 2630g
Payload 9000g

GREMSY H16
Weight 2200g
Payload 7300g

PAYLOAD

ZIO
Weight 480g

PIXY WE

Pixy WE is the gimbal tailored for Workswell Wiris Enterprise, making the flawless combination ready to be used for all unmanned vehicles. The gimbal comes with all advanced built-in function to serve mapping, security and high-resolution imagery applications.

KEY FEATURES

- ✓ Support Multiple Drone Platforms
- ✓ Optimized In Size & Weight For Long Flight Time
- ✓ Built-in Advanced Functions For Industrial Missions

CAMERA COMPATIBILITY

Wiris Enterprise

PIXY WE SPECIFICATIONS

✔ Working Current	Static Current 400mA @12V
	Dynamic Current 800mA @12V
	Locked Motor Current Max 4.0A @12V
✔ Weight	1.1 lbs/ 500 g
✔ Payload	Wiris Enterprise
✔ Gimbal dimension (DxWxH)	157mm x 117mm x 168mm
✔ Operating Power	14-52VDC
✔ Operating Temperature	0°C ~ 50°C
✔ Connection	Micro USB, CAN, UART (Gimbal MAVLink Protocol), PPM, Sbus, Spektrum, Bluetooth, Micro HDMI
✔ OS Platform Support	Windows XP or above, Mac OS X 10.9 or above
✔ Mobile Version Support	iOS 7.1 or above; Android 4.3 or above
✔ Angular Vibration Range	± 0.02°
✔ Maximum Controlled Rotation Speed	Pan axis: 180°/s
	Tilt axis: 180°/s
	Roll axis: 180°/s
✔ Mechanical Endpoint Range	Pan axis control: +330° to -330°
	Tilt axis control: +135° to -45°
	Roll axis control: +50° to -90°
✔ Controlled Rotation Range	Pan axis control: +330° to -330°
	Tilt axis control: +135° to -45°
	Roll axis control: ± 45°

GREMSY TWO-AXIS T3V3

A small, light gimbal, optimized in height and mass and highly adaptable with multiple drone platforms. It provides the same image and video quality level as three-axis gimbals but gives a longer flight time. Plus, it can be optimized for specific applications like land surveying, 2D & 3D LiDAR mapping, wind turbine, power line inspection, bridge inspection and more.

KEY FEATURES

- ✓ Optimized Design For Long Flight Time
- ✓ Highly Adaptable For Multi-drone Platforms
- ✓ Support Flexible Mounting Options
- ✓ Built-in Advanced Connections

CAMERA COMPATIBILITY

NON-COMPREHENSIVE LIST

Sony A7R (mk I - IV)	Sony A7S (mk I - III)	Sony A9 (mkI - II)	Sony A1
Wiris Security	Panasonic GH3, GH4, GH5, GH5S	Phase One IXM50/100	UMC-S3CA

GREMSY TWO-AXIS T3V3 SPECIFICATIONS

✅	Working Current	Static Current 400mA @14.5V
		Dynamic Current 600mA @14.5V
		Locked Motor Current Max 3.5A @15.5V
✅	Weight	1.6 lbs / 745 g
✅	Maximum Payload	3.7 lbs/ 1700 g
✅	Gimbal dimension (DxWxH)	198mm x 247mm x 165mm
✅	Camera tray dimension (DxWxH)	100mm x 152mm x 120mm
✅	Input Power	15 – 52V
✅	Operating Temperature	32° F ~ 122° F (0° C ~ 50° C)
✅	Connection	CAN, UART, S-Bus, Spektrum, PPM, Bluetooth, Micro HDMI, USB 2.0, USB-C (The USB-C only supports USB 2.0 speeds)
✅	OS Platform Support	Windows 10 or above, MacOS 12.0 or above
✅	Mobile Version Support	Android 10.0 or above, iOS 14.0 or above
✅	Control Mode	SBUS / Spektrum / PPM / LB2 / MAVLink
✅	Angular Vibration Range	± 0.02°

FRONT MOUNT & ROLL-TILT MOUNT

✅	Maximum Controlled Rotation Speed	Tilt axis: 180°/s
		Roll axis: 180°/s
✅	Mechanical Endpoint Range	Tilt axis control: ±150°
		Roll axis control: +80° to -264°
✅	Controlled Rotation Range	Tilt axis control: ±120°
		Roll axis control: ± 45°

PAN-TILT MOUNT

✅	Maximum Controlled Rotation Speed	Tilt axis: 180°/s
		Roll axis: 180°/s
✅	Mechanical Endpoint Range	Tilt axis control: +45° to -239°
		Roll axis control: +80° to -264°
✅	Controlled Rotation Range	Tilt axis control: +35° to -229°
		Roll axis control: +70° to -254°

ZIO

Zio is a high-resolution zoom payload that combines a Sony sensor with high-stabilized three-axis gimbal technology. It enables industrial inspectors and surveyors to zoom into objects of interest and effortlessly transmit video at 4K resolution, ready to be utilized for a variety of inspection, surveying, and public safety jobs.

KEY FEATURES

- ✓ Total Weight 480g (1.06 lbs)
- ✓ 30× Super Resolution Zoom (Optical: 20x | Digital: 12x)
- ✓ High Resolution Sensor
- ✓ Video Stream Over HDMI/Ethernet

    MAVLink Support

ZiO
PRECISE IN SiGHT

ZIO SPECIFICATIONS

✔	*Payload Dimensions (DxWxH)*	145mm × 90mm × 148mm
✔	*Weight*	480g (1.06 lbs)
✔	*Input Voltage*	14.5V - 52V
✔	*Power Consumption*	12W-48W
✔	*Connections*	USB 2.0, UART, Ethernet, Micro HDMI
✔	*Remote Software*	QGroundControl
✔	*Streaming Video*	HDMI output: 1920 x 1080 (60p)
		Ethernet output: H264 RTP at 1920 x1080 (60p)
		Combine mode: HDMI output 1920 x 1080 (60p)
		& Ethernet output H264 RTP 1280 x 720 (60p)
✔	*Storage Temperature*	32° F ~ 122° F (0° C ~ 50° C)
✔	*Operating Temperature*	32° F ~ 122° F (0° C ~ 50° C)
✔	*Compatible Drones*	Drone supported by PX4 and Ardupilot
		- Recommended FC: Cube
		- For custom drones, please contact us
		at contact@gremsy.com

GIMBAL

✓	*Angular Vibration Range*	±0.01°
✓	*Gimbal Mount*	Bottom mount (Detachable)
✓	*Controllable Range*	Tilt: ±120°
		Pan: ±320°
✓	*Mechanical Range*	Tilt: +138° to -198°
		Pan: ±335°
		Roll: +75° to -265°
✓	*Max Controllable Speed*	Tilt: 100°/s
		Pan: 100°/s
✓	*Working Current*	Static current: 1.0A (@12V)
		Dynamic current: 1.5A (@12V)
		Locked motor current: Max 4.0A (@12V)

CAMERA

✔	Sensor	1/2.5" Exmor R CMOS
✔	Effective Pixels	8.51 MP
✔	Zoom	Optical: 20x
		Digital: 12x
		Super Resolution: 30x
✔	Camera Lens	f/2.0 to f/3.8 (4.4 to 88.4mm Equivalent)
✔	FOV	Wide: 72°
		Telephoto: 4.1°
✔	Resolution	Photo: 3840 x 2160
		Video: 3840 x 2160 @ 30 fps | 1920 x 1080 @ 60fps
✔	Aspect Ratio	Photo: 16:9
✔	Format	Photo: JPEG
		Video: MP4
✔	Defog mode	On/Off (Low, Mid, High)
✔	White Balance	Auto, Indoor, Outdoor
✔	Shutter Speed	1/30 to 1/2000s
✔	Exposure mode	Auto, Shutter speed, Iris, Bright, Manual
✔	Zoom mode	Combine, Separate, Super Resolution
✔	Storage	MicroSDXC I (a 64GB SD card included)

Aevo is the next generation of heavy-lifting gimbal boasting a sturdy carbon frame construction, high encoder resolution, and high-torque brushless motors to handle massive sensors for industrial uses.

KEY FEATURES

- Built for Massive Payloads (Up to 9kg)
- Light & Sturdy Carbon Construction
- Support M600 & Custom Drones
- SDK Integration

CAMERA COMPATIBILITY

NON-COMPREHENSIVE LIST

Head wall Nano Hyspex

Hyspex S620 & V1240

Specim Aisa KESTREL 10,16

Headwall Hyperspec®MV.X

iXM-RS150, RS100
lens 300AF

ImageIR® 6300 Z

Micro-Hyperspec®
Imaging Sensors

HySpex MJOLNIR-1024

AEVO SPECIFICATIONS

✓	Working Current	Static Current 200mA/ 22.2VDC
		Dynamic Current 600mA/ 22.2VDC
		Locked Motor Current Max 3A/ 22.2VDC
✓	Weight	5.8 lbs /2630 g
✓	Maximum Payload	3.7 lbs - 20 lbs /1670g - 9000g
✓	Gimbal dimension (DxWxH)	433mm x 307mm x 433mm
✓	Camera tray dimension (DxWxH)	230mm x 195mm x 195mm
✓	Input Power	24 - 52VDC, Consumption 222 W (Max)
✓	Third Party Output Power	22.2 - 6A VDC (In Tilt for camera), 5VDC - 0.5 A
✓	Connection	USB Type-C, DJI A3 CAN, UART, S-bus, Spektrum, PPM, Bluetooth
✓	OS Platform Support	Windows / Mac
✓	Gimbal Mode	Lock Mode, Follow Mode, Mapping Mode
✓	Control Mode	SBus/ Spektrum/ PPM/ LB2/ MAVLink
✓	Controlled Rotation Range	Pan axis control: No limit
		Tilt axis control: ±120°
		Roll axis control: ±45°

MIO

Mio gimbal is a smartphone-sized gimbal designed for commercial & industrial applications. Despite its small and lightweight design, Mio can still handle various industrial cameras ranging from 113g to 400g, ready to adapt to your missions.

KEY FEATURES

- ✓ Small Form Factor Design
- ✓ Versatile Payloads
- ✓ Advanced Camera Mount
- ✓ Flexible Mounting Options

CAMERA COMPATIBILITY
NON-COMPREHENSIVE LIST

Flir Duo Pro R	Flir Vue	Flir Vue Pro	Rededge MX
Sony R10C	Sony QX1	Sony RX0 I, II	

MIO SPECIFICATIONS

✔	Working Current	Static Current 400mA @12V
		Dynamic Current 800mA @12V
		Locked Motor Current Max 3.5A @12V
✔	Weight	0.55 lbs /250 g
✔	Maximum Payload	0.88 lbs /400g
✔	Gimbal dimension (DxWxH)	120mm x 99mm x 175mm
✔	Camera tray dimension (DxWxH)	43mm x 85mm x 70mm
✔	Input Power (Including UBEC)	14 – 52V
✔	Third Party Output Power	12V / 5A
✔	Connection	USB 2.0, DJI A3 CAN, UART, S-bus, PPM, Bluetooth, Micro HDMI
✔	OS Platform Support	Windows / Mac
✔	Gimbal Mode	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode, Front Mode
✔	Control Mode	SBus/ PPM/ LB2/ MAVLink
✔	Controlled Rotation Range	Pan axis control: ±325°
		Tilt axis control: ±120°
		Roll axis control: ±40°

PIXY SM

Pixy SM is specially designed to integrate the leading professional M300 RTK drone with the full-frame mirrorless Sony α7R IV camera, offering an unbeatable combination for precision aerial mapping missions.

KEY FEATURES

- ✓ Easy Mounting - Instant Deployment
- ✓ Fully Compatible with Sony α7R IV
- ✓ Controlling & Setting Camera/Gimbal on DJI Pilot App
- ✓ Taking Photos & Live Streaming Video from M300 RTK
- ✓ Automatic Tagging by GPS

CAMERA COMPATIBILITY

Sony α7R IV

PIXY SM
PRECISION MAPPING GIMBAL FOR M300

PIXY SM SPECIFICATIONS

✓	*Working Current*	Static Current 400mA @13.7V
		Dynamic Current 800mA @13.7V
		Locked Motor Current Max 4.0A @13.7V
✓	*Weight*	1.26 lbs/ 570 g
✓	*Maximum Payload*	Sony α7R IV
✓	*Lens Compatibility*	28mm, 35mm, 55mm
✓	*Gimbal dimension (DxWxH)*	157mm x 147mm x 190mm
✓	*Operating Power*	13.7V
✓	*Connection*	DJI Skyport V2, USB Type-C, UART
✓	*OS Platform Support*	Windows / Mac
✓	*Controlled Rotation Range*	Pan axis control: ±160°
		Tilt axis control: +135° to -45°
		Roll axis control: ±25°

PIXY U

Pixy U is a compact and lightweight gimbal supporting a wide range of small camera mountings with payloads of 465g. Greatly compatible with Flir, Rededge cameras and many other sensors, Pixy U is ready to carry out survey, inspection, mapping, and flexible aerial missions.

KEY FEATURES

- ✔ Multi-camera Support
- ✔ Compact & Lightweight Design
- ✔ Upside Down Perspective
- ✔ Compatible with Pixhawk & DJI FC

CAMERA COMPATIBILITY

NON-COMPREHENSIVE LIST

Flir Duo Pro R	Flir Vue	Flir Vue Pro	Sony RX100
Sony R10C	Sony QX1	Workswell Wiris Pro	Wiris Agro R
Blackmagic Micro Cinema Camera	Rededge MX	Sony RX0 I, II	

PIXY U SPECIFICATIONS

✅	Working Current	Static Current 400mA @12V
		Dynamic Current 800mA @12V
		Locked Motor Current Max 3.5A @12V
✅	Weight	1.0 lbs / 465 g
✅	Maximum Payload	1.0 lbs / 465 g
✅	Gimbal dimension (DxWxH)	145mm x 112mm x 200mm
✅	Camera tray dimension (DxWxH)	65.5mm x 100mm x 70mm
✅	Input Power (Including UBEC)	14 – 52V
✅	Third Party Output Power	12V / 2A
✅	Connection	USB 2.0, DJI A3 CAN, UART, Sbus, Spektrum, PPM, Bluetooth, Micro HDMI
✅	OS Platform Support	Windows/ Mac
✅	Gimbal Mode	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✅	Control Mode	SBUS / Spektrum / PPM / LB2 / MAVLink
✅	Controlled Rotation Range	Pan axis control: +330° to -330°
		Tilt axis control: +135° to -45°
		Roll axis control: ± 45°

PIXY F

Specifically designed for Flir Duo Pro R, Pixy F is an ultra-lightweight, palm-sized gimbal (only 0.8 lbs) but provides numerous capabilities in a compact body. This camera stabilizer stands out thanks to the optimized size and weight for long flight times.

KEY FEATURES

- ✓ Ultra-lightweight Gimbal
- ✓ Fully Support Flir Duo Pro R
- ✓ No Balancing nor Tuning Required

CAMERA COMPATIBILITY

Flir Duo Pro R
(Except Flir Duo Pro R & Lens 25mm)

PIXY F

Tailored For Duo Pro R

PIXY F SPECIFICATIONS

✓	Working Current	Static Current 400mA @12V
		Dynamic Current 800mA @12V
		Locked Motor Current Max 4A @12V
✓	Weight	0.8 lbs / 360 g
✓	Gimbal dimension (DxWxH)	139mm x 132mm x 153mm
✓	Camera compatibility	Flir Duo Pro R
✓	Input Power (Including UBEC)	14 – 52V
✓	Third Party Output Power	12V / 2A
✓	Connection	USB 2.0, DJI A3 CAN, UART, Sbus, Spektrum, PPM, Micro HDMI
✓	OS Platform Support	Windows/ Mac
✓	Gimbal Mode	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✓	Control Mode	SBUS / Spektrum / PPM / LB2 / MAVLink
✓	Controlled Rotation Range	Pan axis control: +330° to -330°
		Tilt axis control: +135° to -45°
		Roll axis control: ± 45°

PIXY WS

Pixy WS is the customized gimbal based on Pixy U but tailored for WIRIS Security camera. Pixy WS weights 470 g and inherits all the features of Pixy U.

KEY FEATURES

- ✔ Tailored for Wiris Security
- ✔ No Balancing nor Tuning
- ✔ Upside Down Perspective

CAMERA COMPATIBILITY

WIRIS Security

PIXY [WS]
TAILORED FOR WIRIS SECURITY

PIXY WS SPECIFICATIONS

✔	Working Current	Static Current 400mA @12V
		Dynamic Current 800mA @12V
		Locked Motor Current Max 3.5A @12V
✔	Weight	1.0 lbs / 470 g
✔	Gimbal dimension (DxWxH)	170mm x 157mm x 180mm
✔	Camera tray dimension (DxWxH)	WIRIS Security
✔	Input Power (Including UBEC)	14 – 52V
✔	Third Party Output Power	12V / 2A
✔	Connection	USB 2.0, DJI A3 CAN, UART, Sbus, Spektrum, PPM, Bluetooth, Micro HDMI
✔	OS Platform Support	Windows/ Mac
✔	Gimbal Mode	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✔	Control Mode	SBUS / Spektrum / PPM / LB2 / MAVLink
✔	Controlled Rotation Range	Pan axis control: +330° to -330°
		Tilt axis control: +135° to -45°
		Roll axis control: ± 45°

PIXY WP

Pixy WP is the customized version of Pixy series gimbal, tailored-made for Wiris Pro and Wiris Agro R to meet a range of commercial and industrial applications. Not just compatible with Pixhawk and DJI A3 FC, Pixy WP is well-built to support M300 RTK drone via using gPort, empowering users to leverage superior advantages in industrial applications.

KEY FEATURES

- ✔ Tailored for Wiris Pro & Wiris Agro R
- ✔ Support M300 RTK via Using gPort & Other Drones Using Pixhawk and DJI A3 FC
- ✔ Plug-and-play Installation within Seconds

CAMERA COMPATIBILITY

Workswell Wiris Pro

Workswell Wiris Agro R

PIXY WP

TAILORED FOR WIRIS PRO & WIRIS AGRO R

PIXY WP SPECIFICATIONS

✓	*Working Current*	Static Current 400mA @12V
		Dynamic Current 800mA @12V
		Locked Motor Current Max 4A @12V
✓	*Weight*	1.0 lbs / 446 g
✓	*Payload*	Wiris Pro, Wiris Agro R Camera
✓	*Gimbal dimension (DxWxH)*	130mm x 125mm x 165mm (without QR)
✓	*Camera tray dimension (DxWxH)*	38.4 mm x 85.7mm x 64mm
✓	*Input Power (Including UBEC)*	14 – 52V
✓	*Third Party Output Power*	12V / 2A
✓	*Connection*	USB 2.0, DJI A3 CAN, UART, S-bus, Spektrum, PPM, Bluetooth, Micro HDMI
✓	*OS Platform Support*	Windows/ Mac
✓	*Gimbal Mode*	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✓	*Control Mode*	SBus/ Spektrum/ PPM/ LB2/ MAVLink
✓	*Controlled Rotation Range*	Pan axis control: +330° to -330°
		Tilt axis control: +135° to -45°
		Roll axis control: ± 45°

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PE

Gremsy PE is purpose-built for an effortless integration with Auterion & Mavlink compliant drones. With its ease of deployment and simple operation, the new lineup is a perfect enterprise-ready solution. Gremsy PE is now available in two models: T3 PE and Pixy PE, custom-built on the popular line of Gremsy gimbals (T3 and Pixy U).

KEY FEATURES

- ✓ Support Open-architecture Pixhawk Platforms
- ✓ Fully-integrated with Skynode System
- ✓ Intuitive Connectivity Interface on PE Hub
- ✓ Open gSDK & MAVSDK for Product Development

CAMERA COMPATIBILITY

Sony α7R IV (T3 PE)

Workswell Wiris Pro (Pixy PE)

Note: developed by Auterion and available only on Skynode system

PIXY PE

T3 PE

PIXY PE SPECIFICATIONS

✓	Working Current	Static current: 400mA /12V
		Dynamic current: 800mA /12V
		Locked motor current: Max 4.0A /12V
✓	Weight	1.04 lbs/ 470g
✓	Maximum Payload	1 lbs/ 465g
✓	Gimbal dimension (DxWxH)	145mm x 112mm x 183mm
✓	Camera tray dimension (DxWxH)	65.5mm x 100mm x 70mm
✓	Input Power (Including UBEC)	14 – 52V
✓	Thirty Party Output Power	12V/2A
✓	Connection	USB 2.0, Ethernet, CAN, UART, S-bus, Spektrum, PPM, Micro HDMI
✓	OS Platform Support	Windows/ Mac
✓	Gimbal Mode	Lock mode, Follow mode, Mapping mode
✓	Control Mode	SBus/ Spektrum/ PPM/ MAVLink
✓	Controlled Rotation Range	Pan axis control: ±330°
		Tilt axis control: +135° to -45°
		Roll axis control: ±45°

T3 PE SPECIFICATIONS

✓	Working Current	Static current: 300mA/ 14.5V
		Dynamic current: 600mA/ 14.5V
		Locked motor current: 3.4A/ 14.5V
✓	Weight	2.23 lbs/ 1010g
✓	Maximum Payload	3.7 lbs/ 1700g
✓	Gimbal dimension (DxWxH)	184mm x 237mm x 270mm
✓	Camera tray dimension (DxWxH)	100mm x 152mm x 120mm
✓	Input Power (Including UBEC)	15 – 52V
✓	Thirty Party Output Power	14.5V/2A
✓	Connection	USB 2.0, Ethernet, CAN, UART, S-bus, Spektrum, PPM, Bluetooth, Micro HDMI
✓	OS Platform Support	Windows/ Mac
✓	Gimbal Mode	Lock mode, Follow mode, Mapping mode
✓	Control Mode	SBus/ Spektrum/ PPM/ MAVLink
✓	Controlled Rotation Range	Pan axis control: ±345°
		Tilt axis control: ±120°
		Roll axis control: ±45°

Gremsy T3 (version 3) is the most advanced 3-axis gimbal having a special design that gives it great compatibility with many kinds of industrial and cinema cameras (Sony, Canon, etc). The T3 features the Quick release that allows users to swap among T & S series gimbals.

KEY FEATURES

- ✔ HDMI Hyper Release System
- ✔ Diverse Camera Support
- ✔ Highly Customizable for Multiple Platforms

CAMERA COMPATIBILITY
NON-COMPREHENSIVE LIST

Wiris Security	Canon 6D Mk I, Mk II	Fuji XT- Series	Nikon D810, D800, D500
Panasonic GH3, GH4, GH5	Sony A6000 Series	Sony A7S (mk I - III)	Sony A7r (mk I - IV)
Sony A9 (mkI - II)	Phase One IXM50/100	UMC-S3CA	

LET YOUR CREATIVITY RUN FREE

GREMSY T3V3 SPECIFICATIONS

✓	Working Current	Static Current 400mA @14.5V
		Dynamic Current 800mA @14.5V
		Locked Motor Current Max 3.5A @15.5V
✓	Weight	2.65 lbs / 1200 g
✓	Maximum Payload	3.7 lbs/ 1700 g
✓	Gimbal dimension (DxWxH)	184mm x 237mm x 288mm
✓	Camera tray dimension (DxWxH)	100mm x 152mm x 120mm
✓	Input Power	15 – 52V
✓	Third Party Output Power	14.5V / 2A
✓	Connection	USB 2.0, DJI A3 CAN, UART, Sbus, Spektrum, PPM, Bluetooth, Micro HDMI
✓	OS Platform Support	Windows/ Mac
✓	Gimbal Mode	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✓	Control Mode	SBUS / Spektrum / PPM / LB2 / MAVLink
✓	Controlled Rotation Range	Pan axis control: ± 330°
		Tilt axis control: ±120°
		Roll axis control: ± 45°

S1.
V3

Gremsy S1 (version 3) is a compact 3-axis gimbal for mappers, surveyors, and industry experts demanding lightweight and high precision gimbals. The S1 is best suited for cameras of Sony, Workswell Wiris, etc.

KEY FEATURES

- ✓ HDMI Hyper Release System
- ✓ Compact Design - Powerful Motor
- ✓ ± 345° Panning Capability
- ✓ Flexible in Camera Mounting

CAMERA COMPATIBILITY
NON-COMPREHENSIVE LIST

Flir Vue Pro R	Flir DUO Pro R	RedEdge - MX	Sony QX30
Wiris Security	Workswell Wiris Pro	Wiris Agro R CWSI	Wiris Mini
Blackmagic Micro Cinema Camera	Sony A6xxx Series	Sony RX100	

S1_{V3}

THE GIMBAL FOR INDUSTRIAL APPLICATIONS

GREMSY S1V3 SPECIFICATIONS

✔	*Working Current*	Static Current 300mA @14.5V
		Dynamic Current 600mA @14.5V
		Locked Motor Current 4A @14.5V
✔	*Weight*	1.8 lbs / 830 g
✔	*Maximum Payload*	1.6 lbs / 750 g
✔	*Gimbal dimension (DxWxH)*	168mm x 150mm x 220mm
✔	*Camera tray dimension (DxWxH)*	65mm x 120mm x 75mm
✔	*Input Power*	15 – 52V
✔	*Third Party Output Power*	14.5V/ 2A
✔	*Connection*	USB 2.0, DJI A3 CAN, UART, Sbus, Spektrum, PPM, Bluetooth, Micro HDMI
✔	*OS Platform Support*	Windows/ Mac
✔	*Gimbal Mode*	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✔	*Control Mode*	SBUS / Spektrum / PPM / LB2 / MAVLink
✔	*Controlled Rotation Range*	Pan axis control: ± 330°
		Tilt axis control: ±120°
		Roll axis control: ± 45°

T7

Gremsy T7 is engineered to handle large specialized cameras for use in demanding applications. The T7 is capable of carrying up to 7 lbs and loading multiple sensors at once.

KEY FEATURES

- ✅ HDMI Hyper Release System
- ✅ Support Heavy Cameras (Up to 7 lbs)
- ✅ Multiple Camera Mounting with Ease
- ✅ Robust Design - Powerful Motor

CAMERA COMPATIBILITY

NON-COMPREHENSIVE LIST

Phase One IXM50/100	Phase One iXM-RS150F/ iXM-RS100F (except lens 300mm)	Corocam 8 UAV	Specim AFX10/17
Workswell Wiris GIS 320	Senop HSC-2 Hyperspectral	Flir G300 A Series	

THE NEXT LEVEL OF INDUSTRIAL GIMBALS

GREMSY T7 SPECIFICATIONS

✓	*Working Current*	Static Current 400mA @14.5V
		Dynamic Current 800mA @14.5V
		Locked Motor Current Max 4A @15.5V
✓	*Weight*	4 lbs / 1860 g
✓	*Maximum Payload*	7 lbs/ 3175 g
✓	*Gimbal dimension (DxWxH)*	253mm x 260mm x 345mm
✓	*Camera tray dimension (DxWxH)*	150mm x 180mm x 130mm
		(Up to 170mm height with extension bar)
✓	*Input Power*	15 – 52V
✓	*Third Party Output Power*	14.5V / 2A
✓	*Connection*	USB 2.0, DJI A3 CAN, UART, Sbus, Spektrum, PPM, Bluetooth, Micro HDMI
✓	*OS Platform Support*	Windows/ Mac
✓	*Gimbal Mode*	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✓	*Control Mode*	SBUS / Spektrum / PPM / LB2 / MAVLink
✓	*Controlled Rotation Range*	Pan axis control: ± 300°
		Tilt axis control: ±120°
		Roll axis control: ± 45°

H16

Gremsy H16 is a camera stabilizer especially designed for professional filmmakers. Handling payload up to 16lbs allows it to run RED EPIC, Arri Mini or F55 and Cinema lenses at ease for the very high demand production.

KEY FEATURES

- ✓ Solid Construction - Innovative Design
- ✓ Powerful Precision Direct Drive Motor
- ✓ High Performance Controller
- ✓ Flexible Operations

CAMERA COMPATIBILITY

NON-COMPREHENSIVE LIST

Alexa M	Canon C100	Canon C500	Canon 1D-C
Sony FS 100	Sony FS 7	Sony FS 700	Sony F5/ F55
RED Scarlet	RED Epic	Nikon D4	

H16

**The ultimate gimbal.
Limitless creativity.**

GREMSY H16 SPECIFICATIONS

✔ *Working Current*	Static Current 400mA @14V
	Dynamic Current 2000mA @14.5V
	Locked Motor Current Max 4A @14V
✔ *Weight*	4.85 lbs / 2200 g (aerial mode)
✔ *Maximum Payload*	16 lbs/ 7250 g
✔ *Gimbal dimension (DxWxH)*	350mm x 310mm x 400mm
✔ *Camera tray dimension (DxWxH)*	200mm x 195mm x 200mm
✔ *Input Power*	14.8V - 16.8V (4S Battery)
✔ *Connection*	2.4GHz Remote Controller, Wifi, USB 2.0
✔ *OS Platform Support*	Windows/ Mac
✔ *Gimbal Mode*	Lock Mode, Follow Mode, Mapping Mode, Inverted Mode
✔ *Control Mode*	SBUS / Spektrum / PPM / LB2
✔ *Controlled Rotation Range*	Pan axis control: No limit
	Tilt axis control: +45° to -135°
	Roll axis control: ± 45°

gPORT

gPort is an add-on accessory enabling users to integrate Gremsy gimbals with M300 RTK & M200 Series V2 drones, adding a new level of efficiency to commercial missions

Supported products: Pixy WS, Pixy F, Pixy WP

FEATURES

- ✔ Capturing & Live Streaming Video from DJI Drone System
- ✔ Automatic Geotagging by GPS *(Currently Flir Duo Pro R, other cameras is supported later)*
- ✔ Camera Controls & Settings on DJI Pilot App
- ✔ Gimbal Controls & Settings on DJI Pilot App

SPECIFICATIONS

✔ *Weight*	Approx. 116 gram
✔ *Dimensions*	83 x 45 x 36 mm
✔ *SDCard*	Up to 256 GB
✔ *I/O*	Reserved: For debugging upgrades (gPort)
✔ *USB*	Micro USB x 1: For debugging upgrades (Gimbal)
✔ *Power*	Approx. 5 - 25W
✔ *Power Supply*	13.6 – 17V
✔ *Operating Temperature*	32° F ~ 122° F (0° C ~ 50° C)
✔ *Supported Video Format*	Wiris Cameras: 720p50fps
	Flir Duo Pro R: 1080p60fps

GREMSY INTEGRATION KIT
for **PHASE ONE IXM**

The Gremsy Integration Kit for Phase One/M600 is a gimbal-integrated solution for Phase One iXM camera series & M600 drones, which enables transmitting signals from the camera to drone via gimbal without dangling cables.

FEATURES

- ✅ Simple & Clean Setup - Plug & Play within Seconds
- ✅ Convenience in Operating Aerial System without Any Hassle
- ✅ Ensure Smooth Signal Transmission Regardless of Harsh Conditions

CUSTOM GIMBAL SOLUTIONS

With more than 10 years of experience in the gimbal and drone industry, we can provide you with custom gimbal solutions tailored to your needs.

OUR OUTSTANDING PROJECTS

**CUSTOM POWERFUL GIMBAL
FOR SONY AIRPEAK S1**

**CUSTOM FRONT-MOUNTED 2-AXIS GIMBAL
FOR ACECORE ZOE ZETONA**

**CUSTOM VERSATILE GIMBAL
FOR PHASE ONE IXM CAMERAS**

For more information, feel free to let us know at contact@gremsy.com.

GREMSY GIMBALS - USES & APPLICATIONS

Not only performing its function as a camera stabilizer, but gimbals are also offering more added values to the aerial systems.

Gremsy gimbals, thanks to their easy integration with multiple aerial platforms and great sensor compatibility, have been effectively used across different sectors by inspectors, surveyors, mappers, etc.
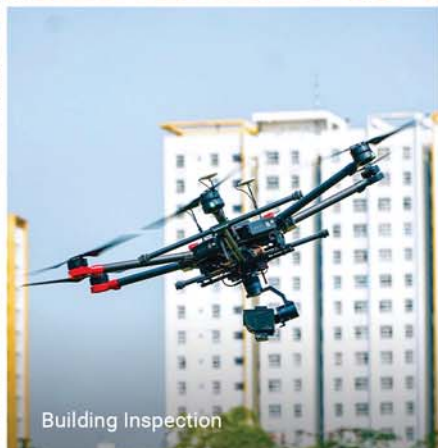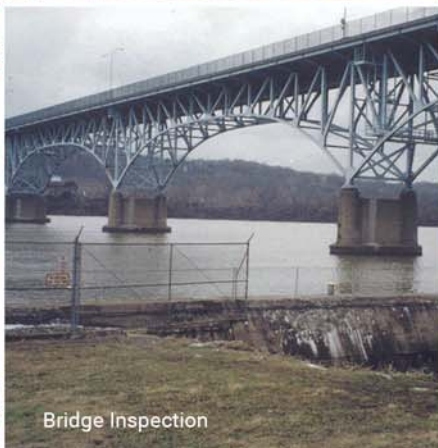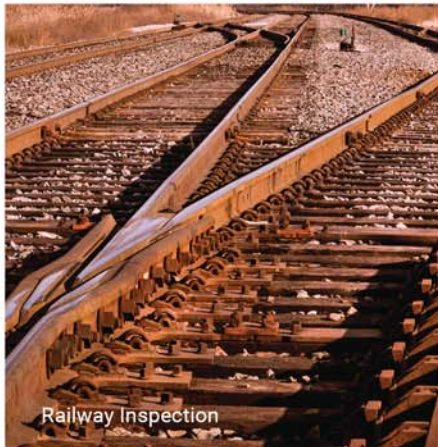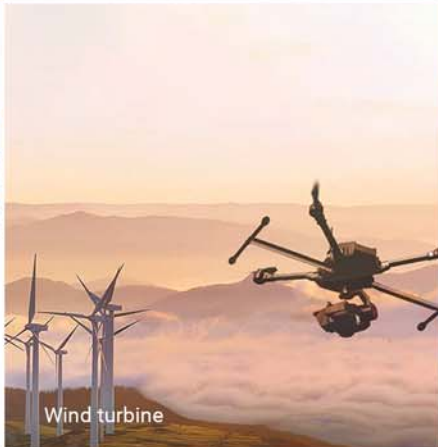
In companion with several strategic partners (drone and camera manufacturers, service providers, etc), we have produced plenty of high quality products to well-served public safety, agriculture, industrial inspection, mapping, surveying markets, and more.

AERIAL INSPECTION

Our gimbals are designed to work with numerous thermal imaging cameras (Flir, Workswell Wiris, MicaSense RedEdge, among others), which creates varying payload choices for industrial inspections.

With the integration of Gremsy gimbals into drone systems, pilots can control the gimbal and camera as desired to inspect details from a long distance. This facilitates collecting high resolution thermal and camera data, helping inspectors identify potential issues more safely and efficiently.

Power Line Inspection

Solar Panels Inspection

Crop Inspection

Gas Detection

Wind turbine

Railway Inspection

Roof Inspection

Bridge Inspection

Building Inspection

MAPPING & SURVEYING

In mapping & surveying missions, Gremsy gimbals prove to be capable of delivering high efficiency when working with specialized sensors of Sony, PhaseOne, etc.

Flights with Gremsy payloads allow engineers to achieve every desired angle of mapping without taking off and landing off many times. The Gremsy SDK system is developed to allow user connectivity & communication with drone systems, especially drones using Pixhawk.

With integrated AUX up to 9 signals, our products enable connection with 3rd devices for tagging GPS such as Droid, Air pixel, etc, which is essential in mapping.

Land Surveying

Construction Surveying

Offshore Surveying

UAV Mapping

3D Mapping

Agriculture Mapping

GIS Applications

Irrigation Water Management

LIDAR Imaging

OTHER APPLICATIONS

Besides industrial applications, Gremsy is well-known as a reliable brand for professional filmmakers. H16 is the most typical product serving in cinematography that contributed to making Hollywood blockbusters such as Lord of the Rings, Triple X-Return of Xander Cage.

The endless possibilities of gimbal & drones technology have also been deployed in many other applications like Search & Rescue, Military, Law Enforcement, etc.

Cinematography

Search & Rescue

Military

G R E M S Y

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