



UAS
COMPONENTS

**PROFESSIONAL COMPONENTS
FOR UNMANNED AERIAL SYSTEMS**



Components

2024



USG-405 EO/IR/LRF



Sensors:
Full HD with 30x optical zoom and thermal camera
4x digital zoom
Additional optical zoom 5x for IR sensor
Laser rangefinder
LWIR-motorized focus



Features:
Digital stabilization
Target tracking
Onboard recording
Anti-fog feature



Size: 190x270 mm (7,5x10,6 in)
Weight: 3,35 kg (7,83 lb)

Configurations:



USG-401 EO/LRF



Sensors:
Full HD with 30x optical zoom
4x digital zoom
Laser rangefinder



Features:
Digital stabilization
Target tracking
Onboard recording
Anti-fog feature



Size: 190x270 mm (7,5x10,6 in)
Weight: 3,1 kg (6,85 lb)



USG-402 EO/IR



Sensors:
Full HD with 30x optical zoom and thermal camera
4x digital zoom
LWIR-fix focus



Features:
Digital stabilization
Target tracking
Onboard recording
Anti-fog feature



Size: 190x270 mm (7,5x10,6 in)
Weight: 3,1 kg (6,85 lb)

ZOOM IN.
ENJOY A STABLE IMAGE





Available soon

USG-232 EO/IR



Sensors:
Full HD with 30 x optical zoom and thermal camera
4x digital zoom
360° continues rotation



Features:
Digital stabilization
Target tracking
Onboard recording
Anti-fog feature



Size: 138x200 mm (5,43x7,9 in)
Weight: 1,2 kg (2,65 lb)



USG-231 EO



Sensors:
Day-view Full HD
30x optical zoom
4x digital zoom



Features:
Digital stabilization
Target tracking
Onboard recording
Anti-fog feature



Size: 109x147 mm (4,3x5,8 in)
Weight: 600 g (1,32 lb)



USG-231T IR



Sensors:
Uncooled thermal imaging module
4x digital zoom
360° continues rotation



Features:
Digital stabilization
Target tracking
Onboard recording



Size: 109x144 mm (4,3x5,7 in)
Weight: 690 g (1,52 lb)



USG-261 EO



Sensors:
Day-view Full HD
10x optical zoom
3x digital zoom



Features:
Digital stabilization
Target tracking
Onboard recording
Anti-fog feature



Size: 90x119 mm (3,54x4,7 in)
Weight: 300 g (0,66 lb)



USG-261T IR



Sensors:
Uncooled thermal imaging module
4x digital zoom
360° continues rotation



Features:
Digital stabilization
Target tracking
Onboard recording



Size: 90x128 mm (3,54x5,04 in)
Weight: 390 g (0,86 lb)

Our long-range antenna-tracker for UAV maximizes radio communication range between drone and the ground control station and therefore allows using of the maximum potential of the data link.

AT-1 80+ km (50+ mi) on quadropod
130+ km (81+ mi) on 5 m mast



AT-2 150+ km (93+ mi) on quadropod
220+ km (137+ mi) on 5 m mast



AT-3 60+ km (37+ mi) on quadropod



FEATURES AND TECHNOLOGIES



Double redundancy:

Two integrated data links to ensure maximum reliability during the mission.



Main telemetry datalink (C2 and video):

130+ km (or 220+ km, depending on the configuration).



MESH technology support

You can use a compatible UAV to extend the communication range.



Automatic mast 5 meters

To maximize connection range with the drone.



AES-256 encryption

Ensures a safe and secure connection with the UAV.



Backup telemetry datalink (C2):

130+ km (or 220+ km, depending on the configuration).



Built-in video camera

To visually control the drone during takeoff and landing.



Backup battery

to an additional 2 hours of power.

BUNGEE LAUNCHER

SCL-1

Max weight to launch: **12 KG (26,5 LB)**

Angle range of the rail relative to the ground: 13°
Maximum speed: 18 m/s (59 ft/s)

Deployment: 15 min
Temperature range: -25° to +40 °C.
Size: 4,53x1,44x1,25 m (14,9x4,7x4,1 ft)
Weight: 80±4 kg (177±9 lb)



SCL-2

Max weight to launch: **13,5 KG (30 LB)**

Angle range of the rail relative to the ground: 15°
Maximum speed: 18 m/s (59 ft/sec)

Deployment: 15 min
Temperature range: -25° to +40 °C.
Size: 3,17x1,2x1,07 m (10,4x4x2,3 ft)
Weight: 70±4 kg (155±9 lb)



PNEUMATIC LAUNCHER

GLS-1A

Max weight to launch: **40 KG (88 LB)**

Angle range of the rail relative to the ground: 10-15°
Maximum speed: 17 m/s (56 ft/s)
for UAV up to 40 kg (88 lb)
or 20 m/s (66 ft/s) for lighter UAV

Deployment: 15 min
Temperature range: -25° to +40 °C.
Size: 5,4x2,3x1,6 m (17,7x7,6x5,3 ft)
Weight: 60±4 kg (133±9 lb)



PITOT TUBE

Designed to measure static and dynamic air pressures



This device is used as part of onboard navigational equipment fitted in aviation technology. The Pitot Tube can be installed on ultralight aircraft such as: small passenger planes, sports aircraft, gliders, hang gliders, helicopters, etc., and can also be installed on unmanned aerial vehicles.



SET CONTENTS

- Heated Pitot Tube
- Protective cap
- UAV integration connector
- Protective plug for the integration connector
- Spare parts kit
- Transport packaging
- Adjustment and use instructions



Temperature range:
-40 °C to +55 °C



Maximum speed:
up to 200 km/h
(124,3 mi/h)



Connection:
CAN protocol



Power source:
16-32 V



Weight:
160 g (0,35 lb)



Dimensional size:
190x19x19 mm
(7,5x0,75x0,75 in)



BATTERIES

Universal Rechargeable Battery (URB) is a product designed for use in uninterruptible power supply, reserve lighting, systems of video surveillance, telecom equipment, and more.

URB-220

Size: 75x95x136 mm (2,95x3,54x5,35 in)
Weight: 1,8 kg (4 lb)



URB-803

Size: 75x134x267 mm (2,95x5,27x10,5 in)
Weight: 5,5 kg (12,2 lb)



SMART UAV BATTERY WITH OPTIMIZED PLUG & PLAY INSTALLATION

Available soon

- Effective energy management
- Battery status monitoring
- Overvoltage protection
- Accurate charge determination
- Remote control and diagnostics
- Fast charging
- Environmental compatibility



We started in 2014 with the development of our first PD-1 UAS. Due to the absence of high-quality and accessible components on the market, we had to establish our own production. Over time, we started receiving numerous requests for these components separately from UAS, giving rise to the UAS Components project.

Currently, **UAS Components** operates as an independent division of **LLC Ukrspesystems**, focusing on delivering high-quality components for your unmanned aerial systems.

Visit

ukrspesystems.com

to learn more about Ukrspesystems' UAS

and uascomponents.com

to learn more about components for UAS.



UAS
COMPONENTS

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