



TINSTRUM



DRONES &

HAVE CHANGED MODERN WARFARE



Technical solutions that work for victory

TINSTRUM is a Ukrainian military-tech company that develops modern technological solutions in the field of FPV drones for the public and private sectors.

We don't just develop drones — we adapt them to the unique needs of our customers, providing tools for effective daily operations.

The TINSTRUM team believes technology is a force that changes the course of war. Modern drones have proven their effectiveness and have become the eyes, wings, and weapons that monitor closely and strike precisely. While the Armed Forces fight for our freedom, we build a technical army that helps save our soldiers' lives and destroy the enemy.



Why choose TINSTRUM?

LOCAL MANUFACTURING SINCE 2022

From the first test of a kamikaze drone to a successful strike on the enemy took only one month. Today, thousands of our drones and systems are already serving in combat.

IN-HOUSE DEVELOPMENTS

We work with a permanent team of engineers and developers in close contact with the military.

UNRIVALLED ASSEMBLY QUALITY

We use high-quality components, and all our products undergo detailed testing and trials.

HIGH PRODUCTION CAPACITY

We produce up to 3,000 kamikaze drones per month.

UNDENIABLE TRUST

We cooperate with the most effective bodies and units, including the HUR of the Ministry of Defence, the 3rd Separate Assault Brigade, and many others.

OWN TRAINING PROGRAM

Together with PITBULL ACADEMY we developed an FPV drone pilot training program that covers basic flight skills, practice on small drones, and the use of PRONG.

AFFORDABILITY

Thanks to the effective combination of high-quality Chinese components and our own engineered parts, we consistently remain competitive in market pricing.



We transform fighting spirit into reliable technologies

To bring victory closer, TINSTRUM designs and serially manufactures the following products:

- **Complex "2K223 PRONG"** (2K223 PRONG drones, a ground station, and a full set of equipment for operation and calculation)
- **Drone "2K223 PRONG"**
- **Ground relay with a bunker receiver**
- **Relay carriers — 10" and 17"**
- **Relay on DJI Matrice 30/300 carrier**
- **Relay on DJI Mavic carrier**
- **Fuses and contact short-circuiters**

The PRONG complex is a high-precision, mobile drone with a relay and a set of supporting equipment, operated by an FPV pilot (operator).

APPLICATION AREA

In its basic configuration, the complex is effective against unarmored, lightly armored, armored enemy vehicles and against infantry in cover.

KEY ADVANTAGES

1. The drone reaches speeds of over 120 km/h and performs maneuvers at an altitude of 1–2 meters, which makes it harder for the enemy to detect and allows the operator to approach the target unexpectedly and engage it.
2. It can use various types of payloads and features a convenient mounting system for them. It supports multiple launch methods:
 - takeoff from a platform or from the ground;
 - release (airdrop) from a carrier aircraft to deliver the drone to a required remote area.



Technologies and production capabilities

For production of the “2K23 PRONG” complex we use quality components from China and elements of our own manufacture.

Today our engineers have already developed and produce: an initiation board with three safety systems, a main board for the ground relay station, boards for remote mining means, frames in various configurations for different mission levels. Solutions for control and video transmission, and tools for C-RF (radio reconnaissance) and EW (electronic warfare) are in development.

Lead times for relay equipment depend on volumes but average no more than **3 weeks**.

Contract production lead times depend on order volume and can be up to **3 months**. This period includes purchasing components, logistics, assembly, and thorough testing.

TINSTRUM manufactures:

- up to 3,000 kamikaze drones per month
- up to 10,000 contact short-circuiters per month
- 20,000 fuses per month



We train, test, and improve

Thanks to our own training school in partnership with PITBULL ACADEMY, we can not only prepare new FPV drone specialists but also continuously test our products.

This allows us to:

- **test** products within our technological ecosystem and promptly fix potential technical failures;
- **verify** functionality of all drone systems and components, including sensors, signal transmitters, cameras, and control systems;
- **improve** FPV drone performance — during testing we run experiments and tune settings to achieve optimal operational parameters;
- **analyze** trainees' mistakes and develop new efficiency strategies;
- **teach** trainees terrain orientation, flight route planning, and operation planning.





CONFIGURATION

FPV drone 8"
Battery: 6S2P
Propeller set

FPV DRONE PRONG 8" (daytime) includes components:

Frame:	PRONG (proprietary)
Motors:	Flashhobby Arthur A2810 1100KV or equivalents
Stack:	HAKRC F405 + 60A V2 or equivalent
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal)
Video transmitter (options):	RushFPV Solo MAX 4.9-5.9 GHz/ Peakfpv THOR T67 3W 7G/Peak THOR T35 3-4,9 GHz, GEPRC MATEN 1.2G 2W VTX, RushFPV 3.3G 4W VTX
Control receiver:	BetaFPV ELRS Nano Receiver 2.4 (receivers can be installed for any frequency per customer request)
Battery:	6S2P (Molicell or Samsung cells, per customer preference)
Propellers:	GEMFAN 8045

OPTIMUS MINI 10

A series of drones based on a 10-inch frame of our own manufacture.

- Tuned motor-propeller group.
- Wide variety of possible communication modules (analog, optical).
- Convenient mounts for batteries, reels, and combat payload.
- Tactical range up to 25 km.
- Combat payload up to 3.5 kg.



CONFIGURATION

FPV drone 10"
 Battery — 6S2P (2 pcs)
 Propeller set

FPV DRONE OPTIMUS MINI 10 (Analog):

Frame:	PRONG (proprietary)
Motors:	Flashhobby Arthur A3115 900KV or equivalents
Stack:	HAKRC F405 + 60A V2
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal).
Video transmitter (options):	RushFPV Solo MAX 4.9-5.9 GHz/ Peakfpv THOR T67 3W 7G/Peak THOR T35 3-4,9 GHz, GEPRC MATEN 1.2G 2W VTX, RushFPV 3.3G 4W VTX
Battery:	Two 6S2P packs with a total capacity of 20Ah (Samsung 50S cells)
Propellers:	HQProp 1145

Standard drone variant built on analog communication. A large selection of camera types, control receivers, and video transmitters available per customer choice.

OPTIMUS MINI 10

FPV DRONE OPTIMUS MINI 10 (Analog OPTIC):

Frame:	PRONG (proprietary)
Motors:	Flashhobby Arthur A3115 900KV or equivalents
Stack:	HAKRC F405 + 60A V2
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal)
Media converter:	Analog 1490/1310 nm with a link budget of up to 60 km
Battery:	Two 6S2P packs with a total capacity of 20Ah (Samsung 50S cells)
Propellers:	HQProp 1145

Variant with an analog camera (customer's choice of type) and a powerful domestically produced analog media converter, offering a link budget of up to 60 km.

FPV DRONE OPTIMUS MINI 10 (Digital OPTIC):

Frame:	PRONG (proprietary)
Motors:	Flashhobby Arthur A3115 900KV or equivalents
Stack:	HAKRC F405 + 60A V2
Camera:	Digital Sigmastar SSC338Q IMX415 8MP Resolution up to 3840×2160 at 30 fps
Media converter:	Digital 1490/1550 nm with a link budget of up to 120 km
Battery:	Two 6S2P packs with a total capacity of 20Ah (Samsung 50S cells)
Propellers:	HQProp 1145

Variant equipped with a high-resolution digital camera that provides outstanding image quality and target detection range. The digital media converter, with a link budget of 80 km, offers resilience to fiber bending.

OPTIMUS BASIC 15

A series of drones based on a 15-inch frame of our own manufacture.

- Tuned motor-propeller group.
- Wide variety of possible communication modules (analog, optical).
- Convenient mounts for batteries, reels, and combat payload.
- Tactical range up to 30 km.
- Combat payload up to 6 kg.



CONFIGURATION

FPV drone 15"
Battery — 8S4P (2 pcs)
Propeller set

FPV DRONE OPTIMUS BASIC 15 (Analog):

Frame:	PRONG (proprietary)
Motors:	Flashhobby A4320 350kv or equivalents
Stack:	Axisflying Argus ECO Stack 6S-8S 80A ESC + F722
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal)
Video transmitter (options):	RushFPV Solo MAX 4.9-5.9 GHz/ Peakfpv THOR T67 3W 7G/Peak THOR T35 3-4,9 GHz, GEPRC MATEN 1.2G 2W VTX, RushFPV 3.3G 4W VTX
Battery:	Two 8S4P packs with a total capacity of 40Ah (Samsung 50S cells)
Propellers:	HQProp 1570

Standard drone variant built on analog communication. A wide selection of camera types, control receivers, and video transmitters is available to the customer.

OPTIMUS BASIC 15

FPV DRONE OPTIMUS BASIC 15 (Analog OPTIC):

Frame:	PRONG (proprietary)
Motors:	Flashhobby A4320 350kv or equivalents
Stack:	Axisflying Argus ECO Stack 6S-8S 80A ESC + F722
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal)
Media converter:	Analog 1490/1310 nm with a link budget of up to 60 km
Battery:	Two 8S4P packs with a total capacity of 40Ah (Samsung 50S cells)
Propellers:	HQProp 1570

Variant with an analog camera (customer's choice of type) and a powerful domestically produced analog media converter, offering a link budget of up to 60 km.

FPV DRONE OPTIMUS BASIC 15 (Digital OPTIC):

Frame:	PRONG (proprietary)
Motors:	Flashhobby A4320 350kv or equivalents
Stack:	Axisflying Argus ECO Stack 6S-8S 80A ESC + F722
Camera:	Digital Sigmastar SSC338Q IMX415 8MP Resolution up to 3840×2160 at 30 fps
Media converter:	Digital 1490/1550 nm with a link budget of up to 120 km
Battery:	Two 8S4P packs with a total capacity of 40Ah (Samsung 50S cells)
Propellers:	HQProp 1570

Variant equipped with a high-resolution digital camera that provides outstanding image quality and target detection range. The digital media converter, with a link budget of 80 km, offers resilience to fiber bending.

OPTIMUS PRIME 15

Series of drones based on a proprietary 15-inch frame. A finely tuned propulsion system with separate ESCs, allowing for increased payload capacity.

- Wide range of communication modules (analog, optical).
- Convenient mounts for batteries, reels, and payload.
- Tactical range up to 40 km.
- Combat payload up to 9 kg.



CONFIGURATION

FPV Drone 15"
 Battery – 12S3P (2 pcs)
 Propeller set

FPV DRONE OPTIMUS PRIME 15 (Analog):

Frame:	PRONG (proprietary)
Motors:	Flashhobby A4320 350kv or equivalents
Flight Controller:	Flytex Furia H743 Slim 12S
Electronic Speed Controllers:	Flycolor X-CROSS HV3 80A 5-12S ESC
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal)
Video Transmitter (optional):	RushFPV Solo MAX 4.9-5.9 GHz/ Peakfpv THOR T67 3W 7G/Peak THOR T35 3-4,9 GHz, GEPRC MATEN 1.2G 2W VTX, RushFPV 3.3G 4W VTX
Battery:	Two 12S3P packs with a total capacity of 30 Ah (Samsung 50S cells)
Propellers:	HQProp 1570

Standard drone variant built on analog communication. A wide selection of camera types, control receivers, and video transmitters is available to the customer.

OPTIMUS PRIME 15

FPV DRONE OPTIMUS PRIME 15 (Analog OPTIC):

Frame:	PRONG (proprietary)
Motors:	Flashhobby A4320 350kv or equivalents
Flight Controller:	Flytex Furia H743 Slim 12S
Electronic Speed Controllers:	Flycolor X-CROSS HV3 80A 5-12S ESC
Camera:	Caddx Ratel PRO 1500tvl (analog low-light), Optional: Caddx INFRA IRC-210SL (analog infrared)/ Caddx IRC-256CA/640CA (analog thermal)
Media converter:	Analog 1490/1310 nm with a link budget of up to 60 km
Battery:	Two 12S3P batteries with a total capacity of 30Ah (Samsung 50S cells)
Propellers:	HQProp 1570

Variant with an analog camera (customer's choice of type) and a powerful domestically produced analog media converter, offering a link budget of up to 60 km.

FPV DRONE OPTIMUS PRIME 15 (Digital OPTIC):

Frame:	PRONG (proprietary)
Motors:	Flashhobby A4320 350kv or equivalents
Flight Controller:	Flytex Furia H743 Slim 12S
Electronic Speed Controllers:	Flycolor X-CROSS HV3 80A 5-12S ESC
Camera:	Digital Sigmastar SSC338Q IMX415 8MP Resolution up to 3840×2160 at 30 fps
Media converter:	Digital 1490/1550 nm with a link budget of up to 120 km
Battery:	Two 12S3P batteries with a total capacity of 30Ah (Samsung 50S cells)
Propellers:	HQProp 1570

Variant equipped with a high-resolution digital camera that provides outstanding image quality and target detection range. The digital media converter, with a link budget of 80 km, offers resilience to fiber bending.

Relay carrier drone MAYAK 10

Relay carrier drone, 10" size, equipped with an R2D2 or Zoritec optical stabilization system, analog video transmission and control system. Features a foldable boom design.



CONFIGURATION

Carrier drone – 1 pc
Battery 6S2P or 6S3P – 2 pcs
Propellers – 1 set
Transport case – 1 pc

Technical specifications

Maximum flight range	Up to 15 km
Maximum payload	500 g
Maximum flight time with payload	up to 30 min
Maximum flight altitude	400 m
Cruising speed	40 km/h
Maximum speed	70 km/h
Camera type	analog
Control frequencies	915/2.4 GHz
Video frequencies	1.2/3.3 GHz
Stabilization system (optical odometry)	R2D2/Zoritec

Relay carrier drone MAYAK 17

Relay carrier drone, 17" size, equipped with a Zoritec optical stabilization system based on the Caddx IRC256CA thermal camera, a rotatable heading camera Siyi A2 mini, and a digital video and control system Siyi UniRC 7 PRO. Optimized for use with Syaivo relays.



CONFIGURATION

Carrier drone – 1 pc
Battery 12S4P – 2 pcs
Propellers – 1 set
Transport case – 1 pc

Technical specifications

Maximum flight range	Up to 16 km
Maximum payload	1 kg
Maximum flight time with payload	up to 45 min
Maximum flight altitude	1000 m
Cruising speed	40 km/h
Maximum speed	70 km/h
Camera type	Digital, stabilized
Video and control system (digital)	Siyi 7 PRO
Video and control frequencies	2.4/5.8 GHz
Stabilization system (optical odometry)	Zoritec

Wireless relay SYAIVO - X

Compact solution for video relay from 4.9–6.0 GHz to 1.2/1.3 GHz or 3.3 GHz, and control from 868/915 MHz to 380–2.6 GHz (the included transmitter can operate in the 460–540 MHz and 720–1020 MHz ranges).

Quick-release mounting of the relay and antenna block on a platform, adaptable to various carriers.



CONFIGURATION

- Relay with antenna set – 1 pc
- Control transmitter integrated into the relay – 1 pc
- Mount for video and control antennas – 1 pc
- Power batteries – 3 pcs
- Charging cable – 1 pc
- Charger – 1 pc

Video relay branch 5.8 GHz to 1.2/1.3 GHz or 3.3 GHz (customer choice):

Receiver 5.8 GHz:	Skyzone SteadyView X 5.0G (supports L and X bands)
Transmitter:	<ul style="list-style-type: none"> • For 1.2/1.3 GHz: VTX-1G3 9ch 25/800 mW • For 3.3 GHz: Rush 3.3GHz 25/200/100/2000 mW VTX 8ch
Receiver antenna 5.8 GHz (first):	Scream Industries 14dBi or TrueRC Sniper 5.8 13.5 dBi
Receiver antenna 5.8 GHz (second):	TrueRC Sniper 5.8 13.5dBi
Video transmission antenna to ground:	<ul style="list-style-type: none"> • For 1.2/1.3 GHz: TrueRC Singularity 1280 V2 • For 3.3 GHz: Rush 3.3G Circular Polarization Antenna

Control relay branch 915 MHz to 915–1000 MHz (any control transmitters in 380 MHz–2.6 GHz range can be used):

Control receiver:	Beta FPV 900 RX
Control transmitter:	Emax Aeris Link TX ELRS 2000mW with frequency selection via web interface in 740–1000 MHz range
Control transmitter antennas:	Yagi 915-1000 MHz, 740-790 MHz
Power supply:	Replaceable 3S1P battery, 6000 mAh, with charge level indicator and USB Type-C charging (charger and cable included). Continuous operation time from one battery at maximum transmitter power is 90 min

Wireless relay lightweight SYAIVO - M

SYAIVO - M 5.8/900

Ultra-light (weight with antennas no more than 150 g) and highly compact solution for video relay from 4.9–6.0 GHz to 1.2/1.3 GHz or 3.3 GHz, and control from 868/915 to 720–1020 MHz, powered by the carrier’s onboard system.

Quick-release mount installs on top of DJI Mavic drones.



CONFIGURATION

- Relay with antenna set – 1 pc
- Power cable USB Type-C to Type-C – 1 pc
- Power module – 1 pc
- Mount – 1 pc

Video relay branch:

Receiver 5.8 GHz:

Skyzone SteadyView X 5.0G (supports L and X bands)

Transmitter:

- For 1.2/1.3 GHz: VTX-1G3 9ch 25/800 mW
- For 3.3 GHz: Rush 3.3GHz 25/200/100/2000 mW VTX 8ch

Receiver antenna 5.8 GHz:

TrueRC Sniper 5.8 13.5 dBi (optional: Scream Industries 14 dBi)

Video transmission antenna to ground:

- For 1.2/1.3 GHz: TrueRC Singularity 1280 V2
- For 3.3 GHz: Rush 3.3G Circular Polarization Antenna

Control relay branch:

Control receiver:

Beta FPV 900 RX

Control transmitter (built-in):

RadioMaster Bandit Micro 915MHz ExpressLRS 1000mW

Control transmitter antennas:

mini Yagi 915–1000 MHz or 740–790 MHz

Power supply:

Powered via integrated power module (12–30V) from the carrier’s onboard system

Wireless relay lightweight SYAIVO - M

SYAIVO-M 5.8/2.4

Ultra-light (weight with antennas no more than 150 g) and highly compact solution for video relay from 4.9–6.0 GHz to 1.2/1.3 GHz or 3.3 GHz, and control from 868/915 to 2.2–2.6 GHz, powered by the carrier's onboard system.

Quick-release mount installs on top of DJI Mavic drones.



CONFIGURATION

- Relay with antenna set – 1 pc
- Power cable USB Type-C to Type-C – 1 pc
- Power module – 1 pc
- Mount – 1 pc

Video relay branch:

Receiver 5.8 GHz:

Skyzone SteadyView X 5.0G (supports L and X bands)

Transmitter:

- For 1.2/1.3 GHz: VTX-1G3 9ch 25/800 mW
- For 3.3 GHz: Rush 3.3GHz 25/200/100/2000 mW VTX 8ch

Receiver antenna 5.8 GHz:

TrueRC Sniper 5.8 13.5 dBi (optional: Scream Industries 14 dBi)

Video transmission antenna to ground:

- For 1.2/1.3 GHz: TrueRC Singularity 1280 V2
- For 3.3 GHz: Rush 3.3G Circular Polarization Antenna

Control relay branch:

Control receiver:

Beta FPV 900 RX

Control transmitter (built-in):

Happymodel ExpressLRS ES24TX Pro 2.4GHz (range 2.2–2.6 GHz)

Control transmitter antennas:

Standard antenna for ES24TX Pro

Power supply:

Powered via integrated power module (12–30V) from the carrier's onboard system

Wireless relay lightweight SYAIVO - M

SYAIVO-M 3.3/2.4

Ultra-light (weight with antennas no more than 150 g) and highly compact solution for video relay from 3.3 GHz to 5.8 GHz, and control from 868/915 to 2.2–2.6 GHz, powered by the carrier's onboard system.

Quick-release mount installs on top of DJI Mavic drones.



CONFIGURATION

Relay with antenna set – 1 pc
Power cable USB Type-C to Type-C – 1 pc
Power module – 1 pc
Mount – 1 pc

Video relay branch:

Receiver 3.3 GHz:	FT3500 3.3GHz VRX 64CH
Transmitter:	RushFPV Solo Max 2500 mW
Receiver antenna 3.3 GHz:	Foxeer 3.3G Patch Antenna
Video transmission antenna to ground:	Foxeer Pagoda PRO 5.8

Control relay branch:

Control receiver:	Beta FPV 900 RX
Control transmitter (built-in):	Happymodel ExpressLRS ES24TX Pro 2.4GHz (range 2.2–2.6 GHz)
Control transmitter antennas:	Standard antenna for ES24TX Pro
Power supply:	Powered via integrated power module (12–30V) from the carrier's onboard system

Ground combined wireless relay with bunkered receiver

Ground combined wireless relay with bunkered receiver – has two relay schemes: 5.8 GHz to 1.2/1.3 GHz and 1.2/1.3 GHz to 5.8 GHz, built-in 12 Ah battery with charging via Type-C and DC 5.5 mm ports, power on/off function, relay and bunkered receiver switching from the control unit, OLED display to monitor battery level and active relay scheme. Power control and channel switching are implemented via the control unit and the included JR module.



CONFIGURATION

Ground combined relay	1 pc
Bunkered receiver	1 pc
Video & control cable 25 m	1 pc
JR module for control unit	1 pc
Cable for video to goggles and monitor	1 pc
Control transmitter in relay	1 pc
Control transmitter in bunkered receiver	1 pc
Power batteries for bunkered receiver	3 pcs
Control antennas	2 pcs
Charging cable	1 pc
Charger	1 pc

Ground combined wireless relay with bunkered receiver



Video relay branch 5.8 GHz to 1.2/1.3 GHz:

Receiver 5.8 GHz:	Skyzone SteadyView X
Transmitter 1.2/1.3 GHz:	VTX-1G3TE 9ch 25/250//2000mW
Receiver antenna 5.8 GHz (first):	Scream Industries 14dBi
Receiver antenna 5.8 GHz (second):	TrueRC Sniper 5.8 13.5dBi
Antenna 1.2/1.3 GHz:	TrueRC Singularity 1280 V2

Video relay branch 1.2/1.3 GHz to 5.8 GHz:

Receiver 1.2/1.3 GHz:	1.2G/1.3G VRX
Transmitter 5.8 GHz:	AKK FX2 Dominator 250/500/1000/2000 mW
Antenna 1.2/1.3 GHz:	TrueRC X-Air 1.3 RHCP 10dBi
Antenna 5.8 GHz:	Foxeer Pagoda PRO 5.8 GHz 3dBi

Control via cable or wireless mode.

Ground combined wireless relay with bunkered receiver

**Wireless branch 915 MHz to 740–1000 MHz
(any control transmitters in 380 MHz–2.8 GHz range can be used):**

Control receiver:	Beta FPV 900 RX
Control transmitter:	Emax Aeris Link TX ELRS 2000mW with frequency selection via web interface in 740–1000 MHz range
Control transmitter antennas:	740–790 MHz and 915–1000 MHz
Power:	Built-in 12 Ah battery with charging via Type-C and DC 5.5 mm

Bunkered receiver:

Receiver 5.8 GHz:	AKK Diversity RX with 80 channels 4.9/5.8
Receiver 1.2/1.3 GHz:	GHZ1.2G/1.3 G VRX
Antenna for 5.8 GHz reception:	Foxeer Pagoda PRO 5,8 GHz 3dB
Antenna for 1.2/1.3 GHz reception:	TrueRC Singularity 1280 V2
Control transmitter:	Happymodel ES900TX 1000mW

Powered by included 6 Ah batteries.
Video and control to the bunker are transmitted via included cable.



Bunkered receiver three-frequency

Compact wired bunkered receiver allows operation with relays or directly with a drone without leaving cover.
Manufactured to individual order. Combination of different video reception frequencies is possible.



CONFIGURATION

Bunkered receiver — 1 pc
Video & control cable 25 m — 1 pc
JR module in control unit — 1 pc
Video cable for goggles and monitor — 1 pc
Control transmitter in bunkered receiver — 1 pc
Power batteries for bunkered receiver — 3 pcs
Charging cable — 1 pc
Charger — 1 pc

Bunkered receiver:

Receiver 5.8 GHz:	SKYZONE Steadyview 48CH V3.3
Receiver 1.2/1.3 GHz:	1.2G/1.3G VRX
Receiver 3.3 GHz:	FT3500 3.3GHz Vrx 64CH
Antenna for 5.8 GHz reception:	Foxeer Pagoda PRO 5.8 GHz 3dB
Antenna for 1.2/1.3 GHz reception:	TrueRC Singularity 1280 V2
Antenna for 3.3 GHz reception:	RushFPV 3.3G 15.8dBi
Control transmitter:	Happymodel ES900TX 1000 mW

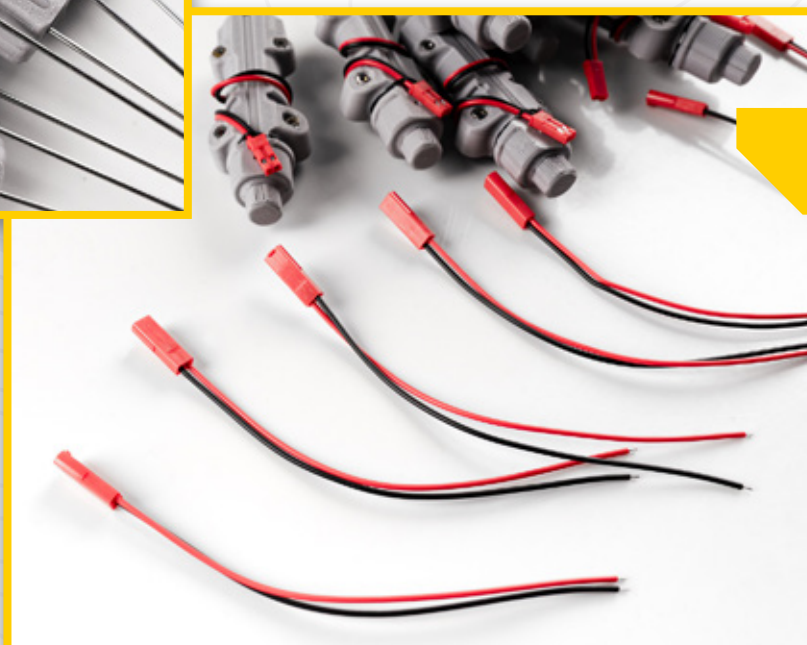
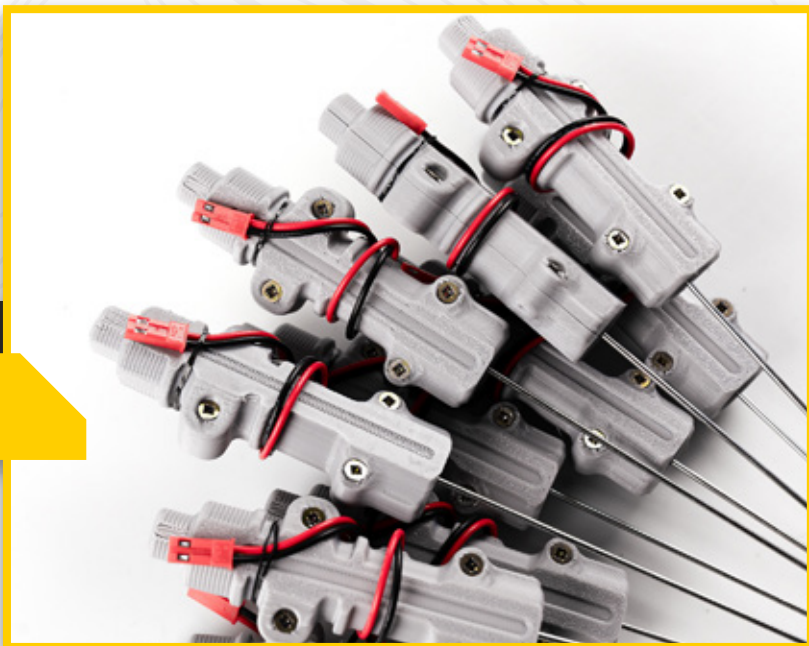
- Powered by included 6000 mAh batteries or via included cable
- Power control and channel switching implemented via control unit and included JR module

PRONG Complex

PRONG Complex — a high-precision and mobile drone with a relay and a set of accompanying equipment controlled by an operator (FPV pilot).

- Complete "plug and play" equipment set.
- Compact modular design of the ground station including video and control relay (two video relay branches: 5.8 to 1.2 GHz and 1.2 to 5.8 GHz) with multiple operation modes (wireless, wired, via bunkered receiver).
- Allows relocating the relay up to 200 m from the operator position.
- Enables operation with aerial relays.
- Given good radio horizon, ground station provides video and control transmission up to 16 km during flight.
- All equipment fits compactly into a single wheeled case forming the basis of a modular system. Additional cases can be securely attached to transport extra equipment (purchased separately).
- Quick deployment of the complex — up to 7 minutes, folding — up to 3 minutes.
- High-quality ISDT K4 charger and Hawkeye 10" monitor included.
- Includes 50 FPV kamikaze drones 2K223 "PRONG".



**Contact closer:**

Configuration:

Contact closer — 1 pc
Extension — 1 pc

Type:

"Whiskers"

Mounting:

zip-tied to the arm, threaded in PG7/7VL

Connection wire length:

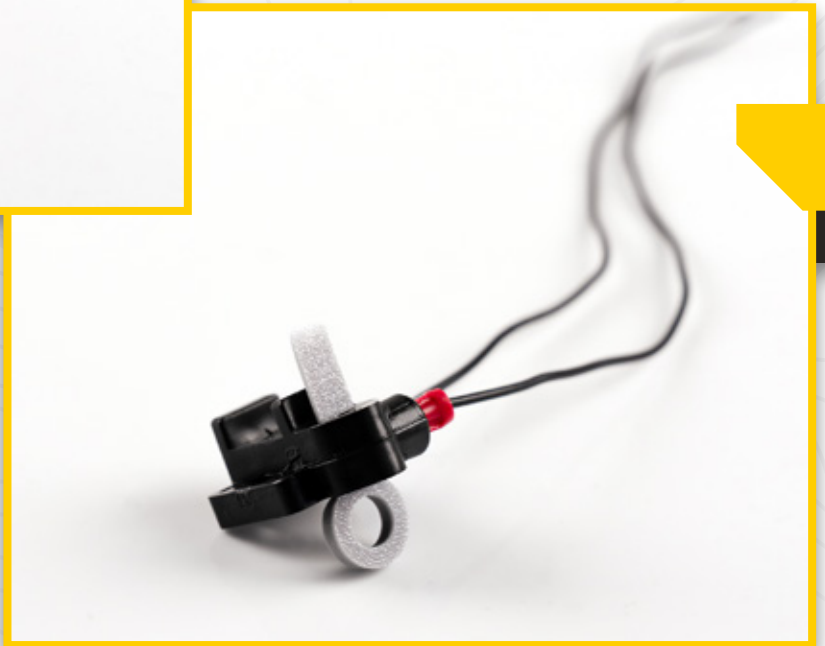
30 cm

Production capacity:

up to 10,000 pcs/month

The extension allows pre-fixing the connector, and the contact closer is installed directly on-site.

Fuses and contact closers



Fuse:

Configuration:

Fuse — 1 pc
Pin — 1 pc

Type:

"Pin"

Mounting:

zip-tied to the arm

Connection wire length:

30 cm

Production capacity:

up to 20,000 pcs/month

Our guarantees

Our team maintains the highest standards of product quality and remains closely connected with end users.

In case of defects or equipment malfunctions caused by the manufacturer, we provide prompt replacement.

If damage is caused by user actions, repair is carried out under separate agreements.

Users of our products can always rely on fast technical support, which includes:

- Consultations via messengers and phone
- Personal meetings with developers by specialty
- Prompt repair and replacement of faulty devices
- Consultations on integration and interoperability with other systems



Advancing victory together!



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