



*Sustaining Global
Defence Productions*



**Sustaining
Defence Production,
and
enhancing transfer
of technology.**

Drones





**Provide the best of
DICON D7G Company
Arms Industry,
Stocks and Production**

Drones

DRONES

FPV-10



FPV-10

extended- range loitering munitions

FPV 10 represents the next generation of extended-range loitering munitions that provides military security and special forces with an effective small footprint tool to make discreet targeted attacks with accuracy and effectiveness.

Easy to carry, this system meets multiple fuze options to meet any mission requirements.



Fuze options



Impact

detonation on impact



Timer

self destruct timer



Operator

initiate by operator

FPV 10 delivery system is equipped with several detonation options – impact, timer, operator command. The device is equipped with safety mechanism.

FPV-10



extended- range loitering munitions


Range
up to 15 km


Altitude
up to 6000 m


Endurance
up to 10 min


Speed
up to 140 km


Weight
968 grams


Load capacity
up to 5 kg



FPV-10



All PG ammunition types

It is capable of carrying and triggering the explosion of any type of PG ammunition (PG-7V/VL/VM OG TBG)



Tailored for the RPG-7

BL 10 FPV DRone was specially designed for the RPG-7 combat projectile.



Controller & Components

The operator uses virtual reality FPV Goggles, which allows for complete immersion.



Performance in Combat

BL 10 FPV Drone is field-tested across multiple countries and has demonstrated exceptional performance in real combat scenarios.



Propeller repair

10x4.5x3 propellers
Glass fiber reinforced nylon



Superior thermal vision

Equipped with a state-of-the-art thermal camera, the BL 10 FPV Drone excels in both day and night operations, offering unparalleled versatility and reliability.



Camera

The main distinctive features and competitive advantages of our complex is the use of thermal imager.



Targeting using camera

- * Sensor: starlight sensor 1/1.8 inch
- * Horizontal resolution: 1200TVL
- * Horizontal field of view: 165° Lens 2.1 mm lens
- * Video format: NTSC and PAL
- * Image ratio: 4:3 and 16:9 Wide dynamics: Super
- * WDR Low illumination: 0.0001 LUX
- * Video output: CVBS

Video Transmission

- * Steady output power
- * 4 power levels up to 1600 mW
- * 40 channels (including Raceband)
- * Rapid frequency lock, no interference with other pilots.
- * Established self-assessment function of exit forces.
- * IRC Tramp video transmitter telemetry.

Technical Specifications

Weight	825G
Frame	XL 10 V6 with 452 mm wheelbase
Flight Control	BUTZ ATF 435 Flight Controller
Esc	BUTZ E65S 4-in-1 2-6S 55A ESC
Video transmission	BUTZ Whoop 1 2G 1.6W VTX BUTZ Whoop 1.6W VTX BUTZ Whoop 2.5W VTX
Receiver	TBS CROSSFIRE NANO (SE) 868/915
Load capacity	up to 5kg
Flight time	up to 10 min
Range	up to 15 km
Speed	up to 140 km/h
Altitude	up to 6000 m
FC	F405 + ESC: 60A
Antenas	Long Range Kit
Camera	RaceCam R1 Mini
Engine	900KV / Xing-E 3314
Propeller	HQprop 10"4.5"3
Receiver	ELRS 915
Battery	8000 mAh
Remote Controller	RADIOMASTER BOXER
VTX	1.3 G 950 MTW/5.8G 2.5W
Maximum wind resistance level	Level 7
Operating temperature	-10° + 50° C

FPV-10

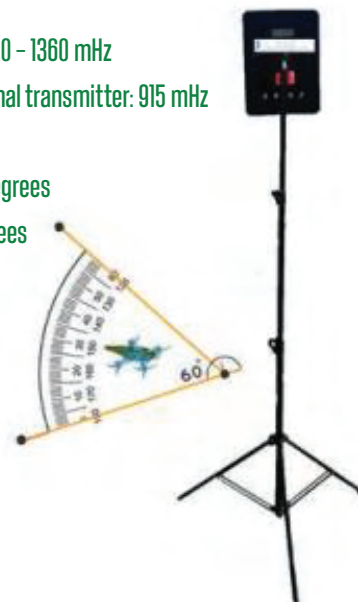


Technical Specifications

Antenna

Ground station is designed to remotely control kamikaze drone outside the operator's line of view at a distance of up to 20 km (the parameter depends on the complexity of the terrain and the presence/absence of radio signal interference).

- Video receiver frequency: 1080 – 1360 mHz
- Frequency of the control signal transmitter: 915 mHz
- Polarisation: linear
- Horizontal signal angle: 60 degrees
- Vertical signal angle: 20 degrees



FPV Goggles

The operator uses virtual reality FPV Goggles, which allows for complete immersion.



Remote Control

Control is carried out by a standard remote control, which makes it possible to easily train pilots. Data transmission is carried out over a secure channel.



Charger

The included charger allows you to charge the included batteries multiple times.

Model	Cobra X
Screen	LCD
Resolution	1280x720
FOV (Diagonal)	50°
Aspect Ratio	4:3/16:9
Receiver	5.8 Ghz 48 CH SteadyView Receiver
Language	10 Language
Power Supply	1 Cell 18650/DC 6.5-25.2V/USB 5V
Power Consumption	12V 0.63A 5V 1.5A
DVR	H264, 30fps MOV 6Mbps, SD up to 128Gb
Head Tracker	3-axis Accelerometer, 3 axis gyroscope
Dimensions	122*165*100 mm
Weight	332g



* The product has its own power source, which guarantees its efficiency and power functioning when hitting the target from any perspective, including when the drone structure is destroyed by a target or obstacle.

* The product is designed to work with standard electric detonator.

* The product has a power switch, the lever of which is inscribed in the outline of the case, which prevents it from being turned on or off accidentally.

* Detonation is carried out using standard electronic detonator.



Electronic explosion

Initialization Board

Our unique development is an electronic explosion initialization board that allows the detonation of ammunition.

S-30



Full size	Wingspan	3.368m
	Length	1.85m
Weight parameters	Maximum take-off weight	34kg
	Maximum load	10kg
Flight mode	Manual flight, automatic route flight	
Fuel tank volume	Gasoline engine (8L)	
Maximum flight time	6h	
Cruising speed	22m/s	
Stall speed	14m/s	
Maximum flight altitude	5000m	
Maximum wind resistance	Level 5	
Data link	50km	

S-V50A



Full size	Wingspan	6.97m
	Length	3.5m
Weight parameters	Maximum take-off weight	180kg
	Maximum load	40kg
Flight mode	Manual flight, automatic route flight	
Fuel tank volume	Gasoline engine (60L)	
Maximum flight time	6h	
Cruising speed	35m/s	
Stall speed	26m/s	
Maximum flight altitude	4000m	
Maximum wind resistance	Level 6	
Data link	50km	

S-150



Full size	Wingspan	6.97m
	Length	3.5m
Weight parameters	Maximum take-off weight	180kg
	Maximum load	40kg
Flight mode	Manual flight, automatic route flight	
Fuel tank volume	Gasoline engine (60L)	
Maximum flight time	6h	
Cruising speed	35m/s	
Stall speed	26m/s	
Maximum flight altitude	4000m	
Maximum wind resistance	Level 6	
Data link	50km	

S-10



Full size	Wingspan	Front wings 1.48m、 rear wings 1.3m
	Length	1.45m
Weight parameters	Maximum take-off weight	11kg
	Maximum load	3kg
Flight mode	Manual flight, autonomous route flight	
Type	electric	
Maximum flight time	1.2h	
Cruising speed	32m/s	
Stall speed	22m/s	
Maximum flight altitude	3500m	
Maximum wind resistance	Level 6	
Seeker	1. Weight: 700g 2. Visible camera:1920x1080@60fps 3. Thermal camera: 640x512@60fps 4.Power: Battery	

S-20



Full size	Wingspan	Front wings 1.75m、 rear wings 1.4m
	Length	1.45m
Weight parameters	Maximum take-off weight	21.5kg
	Maximum load	7.5kg
Flight mode	Manual flight, autonomous route flight	
Type	electric	
Maximum flight time	1h	
Cruising speed	36m/s	
Stall speed	25m/s	
Maximum flight altitude	3000m	
Maximum wind resistance	Level 6	
Seeker	1. Weight: 700g 2. Visible camera:1920x1080@60fps 3. Thermal camera: 640x512@60fps 4.Power: Battery	



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