



VIL'NYI 15-16" unmanned aerial vehicle M30 analog relay carrier



Intended purpose:

The FPV relay is intended to transmit video and control signals between the ground station and the drone.

Provides stable communication over long distances and in difficult terrain conditions.

Features:

- Equipped with an automatic horizon keeping system, which ensures a stable position during flight.
- Power is supplied directly from the carrier (drone), without the need for an additional battery.

Specifications:

- Video reception: 4.9 – 5.8 GHz
- Video transmission to the ground: 3.3 GHz

Control channels:

- Drone → Relay: 500 – 1000 MHz
- Relay → Ground: 700 – 1000 MHz
- The choice of frequency range depends on the specific system settings and installed communication modules.

Advantages:

- Increases the range and stability of FPV systems.
- Increases the safety of flights at low altitudes and in conditions of limited visibility.
- Can be integrated with most modern video transmission and control systems.

IN CASE OF YOUR INTEREST, WE CAN PROVIDE YOU WITH MORE DETAILED
INFORMATION, USING THESE CONTACTS:

TELEPHONE: +38 (098) 786-81-61
E-MAIL: FPVDNEPRO@GMAIL.COM
DSK-DNIPRO LLC

VARIOUS COMPLETING UNITS AND ADDITIONAL EQUIPMENT ARE POSSIBLE

SPECIFICATIONS OF THE COMPONENTS OF VIL'NYY 15/16" UAV, M30 ANALOG RELAY CARRIER

Parameter	Description / Model
Frame	Aluminum 15/16" inches with legs
Engine	V5 4115, 420 KV
Propellers	HQProp 15x7x3 Black Glass (2 pcs. CCW + SW)
Stack	85A
Flight controller	Lucid
Communication system	Digital dual-band data transmission and control system.
Airframe	(2.4 GHz / 5.8 GHz, dual-band)
Camera	1080P — axial
Stabilization system	Optical
Antenna mounts	Yes
Relay mounts	Yes
Battery	8S6P 30000 mAh
Software	Included
Charger	Included

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DELIVERY SCOPE AND COST

1. UAV FPV SYSTEM OF TYPE "FPV CARRIER + RELAY + BASE STATION + CONSOLE" — SET 1

Includes:

- FPV carrier based on aluminum frame 15/16" inches with legs;
- Engines V5 4115 420KV – 4 pcs.;
- Propellers HQProp 15x7x3 Black Glass (2 pcs. CCW + SW) – 2 sets;
- Power stack 85A;
- Flight controller Lucid;
- Communication system: digital dual-band data transmission and control system;
- Ground portable control station 2.4/5.8 GHz (dual-band);
- Camera 1080P – axial;
- Optical stabilization system;
- Antenna and relay mounts;
- Battery 8S6P 30000 mAh – 3 pcs;
- Software;
- Charger;
- Relay type "Analog M30" with Helix antenna system 4.9–5.95 GHz, 740–790 MHz and ELRS 915 MHz;
- Video transmitters and video receivers 3.3 GHz (with 15 dBi patch antenna and DVR);
- 915 MHz base station with EMAX 915 bidirectional antennas;
- 3.3 GHz video output with a set of cables, connectors and mounting materials;
- Set of hardware, plastic elements and SMA adapters;
- Transport packaging.

SYSTEM TOTAL COST: UAH 239,400

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2. UAV FPV SYSTEM OF TYPE "FPV CARRIER + RELAY + BASE STATION" — SET 2

Includes:

- FPV carrier based on an aluminum frame 15/16" inches with legs;
- Engines V5 4115 420KV – 4 pcs.;
- Propellers HQProp 15x7x3 Black Glass (2 pcs. CCW + SW) – 2 sets;
- Power stack 85A;
- Flight controller Lucid;
- Communication system: analog video and control;
- Camera 1080P – axial;
- Optical stabilization system;
- Antenna and relay mounts;
- Battery 8S6P 30000 mAh;
- Software;
- Charger;
- Relay type "Analog M30" with Helix 4.9–5.95 GHz, 740–790 MHz and ELRS 915 MHz antenna system;
- Video transmitters and video receivers 3.3 GHz (with patch antenna 15 dBi and DVR);
- 915 MHz base station with EMAX 915 bidirectional antennas;
- 3.3 GHz video output with a set of cables, connectors and mounting materials;
- Set of hardware, plastic elements and SMA adapters;
- Transport packaging.

SYSTEM TOTAL COST: UAH 149,180

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3. UAV FPV SYSTEM OF TYPE "FPV CARRIER + RELAY" — SET 3

Includes:

- FPV carrier based on an aluminum frame 15/16" inches with legs;
- Engines V5 4115 420KV - 4 pcs.;
- Propellers HQProp 15x7x3 Black Glass (2 pcs. CCW + SW) - 2 sets;
- Power stack 85A;
- Flight controller Lucid;
- Communication system: analog video and control;
- Camera 1080P - axial;
- Optical stabilization system;
- Antenna and relay mounts;
- Battery 8S6P 30000 mAh;
- Software;
- Charger;
- Relay type "Analog M30" with Helix 4.9–5.95 GHz, 740–790 MHz and ELRS 915 MHz antenna system;
- Video transmitters and video receivers 4.9-5.8 GHz);
- Set of hardware, plastic elements and SMA adapters;
- Transport packaging.

SYSTEM TOTAL COST: UAH 129,600

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