

“Unicom-1-Sh” Broadband Wireless Repeater



“Unicom-1-Sh” is intended to generate high-speed and VHF channels at secured areas.

“Unicom-1-VU” PTZ camera set is connected to “Unicom-1-Sh”.

“Unicom-1-Sh” is equipped with standalone power supply incorporated on accumulating batteries and solar module.

“Unicom-1-Sh” includes 433MHz, 2,4GHz and 5 GHz devices. Each set operates as a hotpoint and wireless repeater in narrow and broadband access.

VHF equipment has very low power consumption which guarantees continuous operation during several months without sunlight.

VHF modem generates connection with “Unicom-1-N” smartphone to control power supply for “Unicom-1-Sh” equipment set.

Broadband access equipment is intended to generate high-speed and high-throughput capacity communication link.

“Unicom-1-Sh” transmits video from “Unicom-1-N” and “Unicom-1-VU” camera to operator workstation.

Broadband equipment is switched on/off via VHF link from “Unicom-1-N” smartphone or from operator’s workstation and has inbuilt lightning protection.

“Unicom-1-Sh” can transmit large data including video data between different points.

Scope of supply:

1. Solar module – 1 pc.
2. CVD-10905 mast – 1 pc.
3. Control unit – 1 pc.
4. Accumulating battery set – 1 pc.
5. Cable UCS-3 – 3 pcs.
6. Bracket – 3 pcs.
7. Antenna cable (3 m) – 1 pc.
8. RF module 5 GHz – 2 pcs.

- 9. Broadband module 2,4 GHz – 1 pc.
- 10. Whip antenna 433 MHz – 1 pc.
- 11. Whip antenna 2,4 GHz – 1 pc.

Technical specification

Parameter	Value
Frequencies: - RF modem, MHz - Broadband module, GHz: - Broadband link, GHz	425...441 2,4 5
Max transmission distance within line-of-sight - RF modem - Broadband module - Broadband link	8000 300 8000
BC voltage, V	24
Inteface	Ethernet
Accumulating batteries capacity, Ah	110
Type of accumulating batteries	Гелевый
Max consumed power, W - with broadband link off - with broadband link on	2 12
Max solar module power, W	160
Mast height / with lighting rod, m	7,2 / 9
Operating temperatures, °C	From – 40 to + 50