ADMU-12
ANTI-UAV COMPLEX

The «ADMU-12» Complex is designed and manufactured by taking into consideration the studied experience of other manufacturers of equipment for counteraction undesirable UAVs. At the same time, special attention was paid to achieving the best value for the price / quality ratio

Complex implements the principle of radio frequency detection of UAVs, as the only objectively reliable. All the radio signals detected by the Complex are analyzed by its internal algorithms without the need to access cloud services (external databases).

The Complex constructively consists of two modules: a module of scanning receivers (MSR) and a module of analysis and control (MAC). MSR and MAC are interconnected by RS-485 type switching and control bus (SCB).

The Complex is designed to work in FULLY AUTOMATIC mode. The decision of the presence of a UAV over the protected object is made by automation without human intervention

MSR WEIGHT
13 kg

MAC WEIGHT
1 kg

MSR DIMENSIONS
600 x 800 mm

MAC DIMENSIONS
222 x 146 x 51 mm

OPERATING TEMPERATURE
from -20 to +50℃

INGRESS PROTECTION RATING
IP 53

UAV DETECTION RANGE
3000 m

UAV DETECTION TIME
min 3 s

VERTICAL ANTENNA PATTERN
360°

HORIZONTAL ANTENNA PATTERN
± 90° (upper hemishere)

SCANNED RF BAND
2,4 and 5,8 GhZ

POWER, DC
12 V

Complex can work in two Alarm-logics (which is set by the installer during commissioning). The choice Alarm-logic depends on the type of active protection devices (APD) which can be connected to the Complex:

ALARM-LOGIC №1 (APD is not connected to the Complex). Complex, with the best accuracy 60 degrees, determines the sector in which the UAV is located and sends this information by the radio pager to the object's security officer. Also pager displays information about the radio band in which the alarm is occurred (2.4 or / and 5.8 GHz). After that, the security officer by using of wearable electromagnetic rifle (or other device) affects to the UAV-intruder

ALARM-LOGIC №2 (APD is connected to the Complex). If UAV-intruder is detected (also with the best accuracy 60 degrees), Complex automatically turns on the APD according to a certain cyclic procedure (radio scanning / APD activation, etc.) until the radio signal from the undesirable UAV disappears (the UAV has flown away, has fallen). Any GPS jammers and UAV's remote controller jammers can be used as APD. In Alarm-logic №2 security officer's radio pager is not used