



Airborne Technologies

Remote Video Terminal (RTV)

D-ATKS System

Communication for Remote Troops

Situation awareness has always been the key point for successful troops, as well as a necessary asset for on-field law enforcement operators

IPR has developed an innovative easy deployable diversity receiver system in a rugged plastic rucksack, including a rugged grade personal computer. The system features either cable or wifi connectivity.

Image quality is enhanced thanks to the introduction of a 2-ways diversity architecture provided with two omnidirectional antennas (panels are also available belonging to the environmental conditions).

The extreme flexibility, transportability and compact size, make it possible to use it whenever the implementation of a fixed receiving station is not suitable.

Main sub-assemblies:

- Rugged compact size plastic rucksack
- 2 x omnidirectional antennas (panels on request)
- Rugged portable computer



Reliable personalized solutions

All critical technologies' parts are developed, produced and integrated by IPR, providing an utmost degree of customization: systems can be tailored to end users' specific layout and weight requirements.

IPR systems have no ITAR restrictions

Technical Features

Electrical

Input Frequency Band:

1,2 to 6,4 GHz

RF Input Treshold:

Receiving: -90dBm (± 1 dBm)

Warning: -87 dBm (± 3 dBm)

Demodulator:

COFDM – 2K - QPSK - Rate $\frac{1}{2}$ - G 1/32

IP Output:

10/100/1000 base-T Ethernet RJ 45

Wi-Fi:

According to 802.11 a/b/g standard

Power Supply:

Li-ion Batteries 14,8 Power Supply V nominal, 160Wh

Mechanical

Size L x W x H:

500 x 370 x 185 cm

Weight:

9 Kg

Environmental

Storage Conditions:

-40° / +70°

Operating Conditions:

-20° / +70°