



Airborne Technologies

D-ATKS Portable Diversity Receiver

D-ATKS System

Field Portable HD Receiver

Situation awareness has always been the key point for successful surveillance, 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 trolley box

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)

Pre-amplifiers make it possible to use antenna cables as long as 44m

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 trolley case
- 2 x Omnidirectional antennas (panels on request)



Band pass filters +
low noise pre



Omnidirectional
Antennas



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 6.3 GHz

RF input threshold:

-95 dBm

Demodulation:

COFDM with 2K-4K-8K sub-carriers (DVB-T/H)

QPSK, 16 QAM or 64QAM

Code Rate: 1/2, 2/3, 3/4, 5/6, 7/8

Guard Interval: 1/32, 1/16, 1/8, 1/4

Decoding:

MPEG-4 (H.264 – H265)

Satellite connection

H.265 for Satellite Streaming

Video Output:

Composite PAL / NTSC; SDI (HD-SD); HDMI

Optional Connectors:

Audio output connector

GPS output connector

Supply Voltage:

230 V AC or 10 to 36 V DC

Encryption:

AES @ 256 bit

Mechanical

Size L x W x H:

500 x 430 x 290 mm

Weight:

~12 Kg

Other Performances

Enclosed 9" HD Monitor

WI FI embedded connection

44m/88m Cable Set IDU to ODU

Optional 22m/44m Pre-amplified cable set

Diversity 2 ways receiving system

Omnidirectional (up to 11NM connecting distance),

(Option) Panel (up to 22NM connecting distance)

Ethernet output featuring HD video streaming



omni antenna with magnetic support for mobile operations



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