



Airborne Technologies

MICRO INT SERIES

Mini Transceiver

Lightweight reliable communications

Widely used in Airborne Law Enforcement (ALE), military surveillance and border control since years, they are actually the best lightweight choice for the unmanned Aerial Vehicles (UAV) field as well as broadcasting for Electronic News Gathering (ENG)

The Microint family identifies the state of art for fix and mobile surveillance applications due to the extreme compactness and versatility

The wide range of directional antennas, along with optional features (such as the diversity system for the RX antennas), ensures maximum flexibility and operational range up to 50Km LoS

A wide range of antennas to fulfill any need in term of distances, is the natural completion of this entrustable product line

Main Sub-assemblies:

- D-ATKS MICROINT single antenna full duplex transceiver
- D-ATKS MICROINT diversity antenna full duplex transceiver
- D-ATKS MICROINT Mpeg4 H264 IP encoder
- Omni, Patch, Fix and Autotracking dish antenna



Single antenna version



Diversity antenna version



MPEG H264 encoder



Omni antenna



Tracking dish antenna



Fix dish antenna

Reliable personalized solutions

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

Technical Features

Full Duplex Transceiver

Size L x W x H:

Single antenna version: 112 x 42 x 19 mm

Diversity antenna version: 114 x 81 x 22 mm

Weight:

Single antenna version: ~100 g

Diversity antenna version: ~250 g

Ports:

10/100 ethernet port

Modulation:

OFDM

RF Connectors:

2 x RPSMA

Enclosure Material:

Aluminum

Max Power Consumption:

8 W

Power Supply:

24V, 1A PoE supply

Power Method:

Passive PoE (pairs 4,5+; 7,8 return)

Operating Temperature:

-30° to +75°C

Operating Humidity:

5 to 95% condensing

Shock and Vibrations:

ETSI300-019-1,4

Operating Frequency:

5170-5875 MHz

Encryption:

AES standard

MPEG H264 IP Encoder

Size L x W x H:

117 x 113 x 24 mm

Weight:

~400 g

Encoding:

MPEG - H264

Input Video:

PAL - NTSC

Streaming Video:

2 simult. Stream - H264/Motion Jpg