CRFS | EXTRAORDINARY RF TECHNOLOGY

VDK TELECOMMUNICATIONS

DATA SHEET

STANDARD & MINI

RFEYE OUTDOOR KIT (ODK) SYSTEMS

Rugged outdoor mounting units for RFeye Nodes

The RFeye Outdoor Kit (ODK) systems offer a range of flexible mounting kits for attaching RFeye Nodes to outdoor structures such as masts and building structures. The Outdoor Kits are designed to resist build-up of ice and snow in cold climates, and incorporate a sunshield to minimise solar loading in hot climates.

The kits include a mounting enclosure (ODU) for an RFeye Node, together with sunshield, mounting points for GPS antenna and multiple omni antennas. There are different ODK versions for more compact / re-deployable and also long-term fixed deployments.

The Standard ODK is larger, but provides space for additional equipment where necessary, whereas the Mini-ODK is more compact and better suited for applications where periodic re-deployment is necessary.

These ODKs support mounting for RFeye Node 40-8 / 100-8 / 100-18 / 100-40.

The Mini ODK is available in olive drab, light tan and white colour options.

White | Olive drab | Light tan



Standard RFeye Outdoor Kit



Mini RFeye Outdoor Kit

RFeye Outdoor Kit System benefits

- Resistant to snow and sun
- IP67 Ruggedized protection from water or dust
- Easy setup. No tools required
- Includes multiple RF antennas as well as GPS receivers
- Fast and simple to deploy and redeploy
- A full range of flexible mounting kits

STANDARD OUTDOOR KIT



Enclosure with pole clamps and solar shield



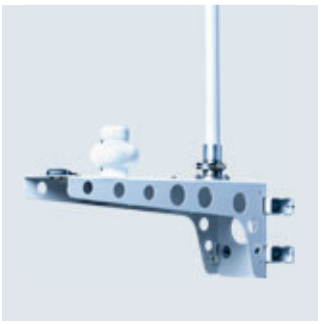
High-band antenna (8GHz and 18GHz options available)



Low-band antenna (10MHz to 1GHz)



GPS antenna



Antenna bracket with pole clamps



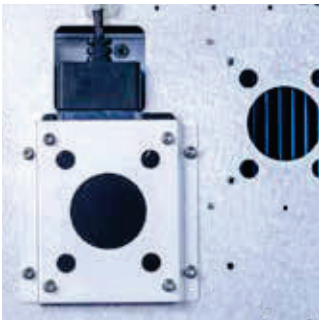
Outdoor POnE in metal box



Indoor POnE



Cable entry gland



1 TB SSD Drive



Condensation discharge



Pressure relief vent



Braided earth strap

Physical

ODU Size	415 x 400 x 260mm (16.3 x 15.75 x 10.24in)
ODU Weight	28 kg (61.7 lbs)

Power supply

Power Supply (DC)*	12V DC (max limit 30V DC)
Power Supply (POnE)	POnE 56V

Environmental

Ingress protection	IP66

Antenna mounts

Omni antennas	2 (up to 4 optional)
GPS antenna	1

*DC power supply is an optional extra

Outside details

- Enclosure with pole clamps and solar shield
- Antenna bracket with pole clamps
- GPS Antenna
- Low Band omni antrenna with 3 metre N-type to SMA RF cable
- High Band omni antenna with 3 metre SMA to SMA RF Cable

Inside details

- Cable entry gland
- Pressure relief vent
- Condensation discharge
- DC power input
- Ethenet/POE input
- USB port
- 1 TB SSD Drive
- Braided earth strap

Accessories included

- Indoor POE Power supply with country specific mains cable
- Outdoor POE power supply
- Field installable RJ45 connector
- Field installable DC power connector

MINI OUTDOOR KIT



RFeye Node with sunshield. Mini-ODK also comes with a 1TB SSD housed inside the Nose



High-band antenna (8GHz and 18GHz options available)



Low-band antenna



GPS antenna



2x Antenna brackets with pole clamps



Outdoor POnE in metal box



Indoor POnE



Ruggedized protective transport casing (optional)



RF cable (N-type to N-type)



RF cable (SMA to N-type)



Cat5e cable for POnE / Ethernet



Braided earth strap

Physical

ODU Size	220 x 120 x 415mm (8.66 x 4.72 x 16.3in)
ODU Weight	10 kg (22.1 lbs)
Mini antenna brackets weight (each)	2.1 kg (4.6 lbs)

Power supply

Power Supply (DC)*	12V DC (max limit 30V DC)
Power Supply (POnE)	POnE 56V

Environmental

Ingress protection	IP67

Antenna mounts

Omni antennas	2 (up to 4 optional)
GPS antenna	1

*DC power supply is an optional extra



Mini Outdoor kits come with a rugged wheeled protection case (optional)

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