





KEY COMPONENTS OF HORRUS

HORRUS

HORRUS is an autonomous inspection UAV with self-charging station.

Designed for unmanned aerial inspection and surveillance missions in remote and dangerous areas, HORRUS provides a self-sustained UAV with docking station, self-charging and data collection. Working together as a team, UAV provides an aerial overview of the site while ground robots inspect up close as needed.

AUTOMATED DRONE DOCKING STATION



HORRUS UAV

- **Automated mission**
- Data acquisition
- Different payloads for different application



HORRUS DRONE STATION

- Drone storage
- Automated charging system
- Drone health check flight authorization



ARV PLATFORM

- Fleet management and database
- Tele-operating network
- Flight planing algorithm
- Al data analysis on-premise

HORRUS

STATION

DIMENSIONS

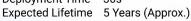
 $\begin{array}{lll} \mbox{Horrus Box} & 1.7 \times 2.0 \times 1.0 \ \mbox{m} \\ \mbox{Weather Station} & 0.7 \times 0.7 \times 3 \ \mbox{m} \\ \mbox{Weight} & 400 \ \mbox{KG} \\ \end{array}$

POWER

Power Source 220 AC Back-up Power 1.0 Hr (Approx.)

OTHERS

Deployment Time 30s



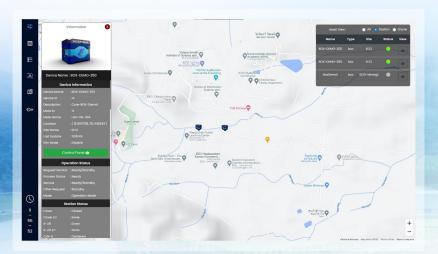








ARV PLATFORM















SPECIFICATIONS

Dimension 1050 x 1050 x 410 mm
TOW/MTOW 6.4 KG/ 8 KG
Flight time 30 mins (Approx.)
Operating Speed 5-16 m/s

Operating Altitude 20-90 m (Max 200+ tested)
Signal Range 6 KM (From Station)
Coverage Area 80 Rais/Charge
GSD 4.13 ppx
Power Source Li-lon 22000 mAh

COMPATIBLE SENSORS

Visual Camera Image 25.9 Megapixels

20X Optical Zoom Video – 4K 60 FPS

0.6 KG

Thermal Camera Thermal 640 x 512 pixel

Radiometric Thermal

0.7 KG



PLATFORM FEATURES

- · Remote UAV Operation System
- · UAV Fleet Management
- · Real-time dashboard data
- · Real-time video streaming
- Station and UAV control panel
- · Mission & Path Planning
- · Post Data Management
- · Flight Log and Historical Data
- Cross Platform Application



