



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.

KEY COMPONENTS OF HORRUS

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
- AI data analysis on-premise

HORRUS

STATION

DIMENSIONS

Horrus Box	1.7 x 2.0 x 1.0 m
Weather Station	0.7 x 0.7 x 3 m
Weight	400 KG

POWER

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

OTHERS

Deployment Time	30s
Expected Lifetime	5 Years (Approx.)



DRONE

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-Ion 22000 mAh

COMPATIBLE SENSORS

Visual Camera	Image 25.9 Megapixels 20X Optical Zoom Video - 4K 60 FPS 0.6 KG
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Thermal Camera	Thermal 640 x 512 pixel Radiometric Thermal 0.7 KG
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ARV PLATFORM

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

