

Lorenz AI-link®

3rd generation



The Lorenz AI-Link® acts as the brain for UAV's, and UGV's. With its connection to our control system the Lorenz Hive®, we give you the power of planning autonomous drone missions with intelligent detection of incidents.

With our small supercomputer mounted as an intelligent brain on a drone or mobile robot, you are able to detect incidents on preplanned routes from our Lorenz Hive® web interface.



Dimension (mm)	160x42x65
Weight (g)	426
Idle Power draw (W)	7,5
Max Power draw (W)	20
Input Voltage (V)	18-27
Max current (A)	1,5
Power connector	XT-30
Human Machine Interface	RGB LED

Supported UAVs	DJI A3, Videodrone, Wind 4, Matrice, Pixhawk, Altura Zenith	Storage	NVMe 256GB + 32GB eMMC 5.1
Supported UGVs	Capra, Clearpath Jackal	RAM	8GB LPDDR4
Types of missions	Waypoint, Structure Inspection	GPU	256-core Pascal
Behaviours	Trailer scan, Ladder Scan, Visual Tracking & Following	CPU	2-core Nvidia Denver 64bit + 4-core ARMv8 A57
Supported gimbals	DJI cameras, Viewpro, TeAx+AlexMos	Connectivity/ IO	USB 3.0, Ethernet (by request), 2*UART, 2*CAN (by request)
Supported sensors	Realsense D435i, T265	Operating x (°C)	-5 to 50
IP rating	54	Operating humidity (%)	0 to 90%