Artec Jet

Manufacturer: Artec 3D

Artec Jet is a mobile LiDAR scanner with SLAM positioning for mapping buildings, infrastructure, and underground spaces. It can be carried by hand or mounted on a backpack, vehicle, robotic platform, or compatible drone.

Product page: https://cad.kz/en/catalog/3d_skanery/artec_jet/

Specifications

MAPPING	
Mapping method	SLAM-based LiDAR mapping, ±0.03% drift
LiDAR measurement range	0.5–300 m
LiDAR accuracy	±10 mm
Mapping accuracy under normal conditions	±15 mm
Indoor and underground mapping accuracy	±10 mm
Change detection	±5 mm
Capture rate with single return	Up to 640,000 points/s
Capture rate with three returns	Up to 1,920,000 points/s
Maximum vehicle speed	60 km/h
Maximum aboveground flight speed	5 m/s
Maximum underground flight speed	2 m/s
Start and stop while walking or hovering	да
Laser class	Class 1, eye-safe
SCANNING	
Field of view	360° × 290°
PHYSICAL SPECIFICATIONS AND OPERATING CONDITIONS	
Enclosure protection rating	IP65
Operating temperature	−10 to +45 °C
Power supply	14–54 V, 64 W (battery or external power)
Built-in storage	512 GB (approximately 16 h)
Quick-release mount	да
Mounting options	Handheld, backpack, drone, vehicle, cage, pole, or robot
DESIGN	
Weight	1.57 kg

OUTPUT DATA AND FILE FORMATS	
Point cloud formats	LAS, LAZ, PLY, E57
Output data	Full and downsampled point clouds, trajectory file
Point attributes	Intensity, range, time, return number (strongest, first, and last), ring number, optional RGB color
AUTONOMY AND SAFETY	
Pilot assistance modes	GPS-denied flight, position hold, flight assistance, obstacle avoidance, speed limiting
Autonomous flight modes	Autonomous waypoint flight
AL2 waypoint types	2D, 3D, plane, altitude
AL2 navigation modes	Obstacle avoidance guidance, local and global route planning
Collision avoidance system field of view	360° × 360°
Collision avoidance system range	1.2–40 m
Minimum detectable obstacle size	Wire from 2 mm
In-flight safety distance adjustment	да
Return to home	When battery is low or dust levels are high
INTERFACES	
Auxiliary port	Proprietary connector
USB interface	да
Wi-Fi interface	Built-in antenna
SUPPORTED DRONES	
Supported drones	DJI M300, DJI M350, Freefly Astro Max
AUTOPILOT COMPATIBILITY	
Autopilot compatibility	DJI M300, DJI M350, Freefly Astro Max

Supplier — CAD.kz

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BIN	080540017610
КБЕ	17
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IBAN	KZ248562203140498999
Bank	АО «Банк ЦентрКредит»
BIC	KCJBKZKX

Specifications are according to the manufacturer. The configuration, delivery time and price will be confirmed by a CAD.kz manager in the commercial offer.