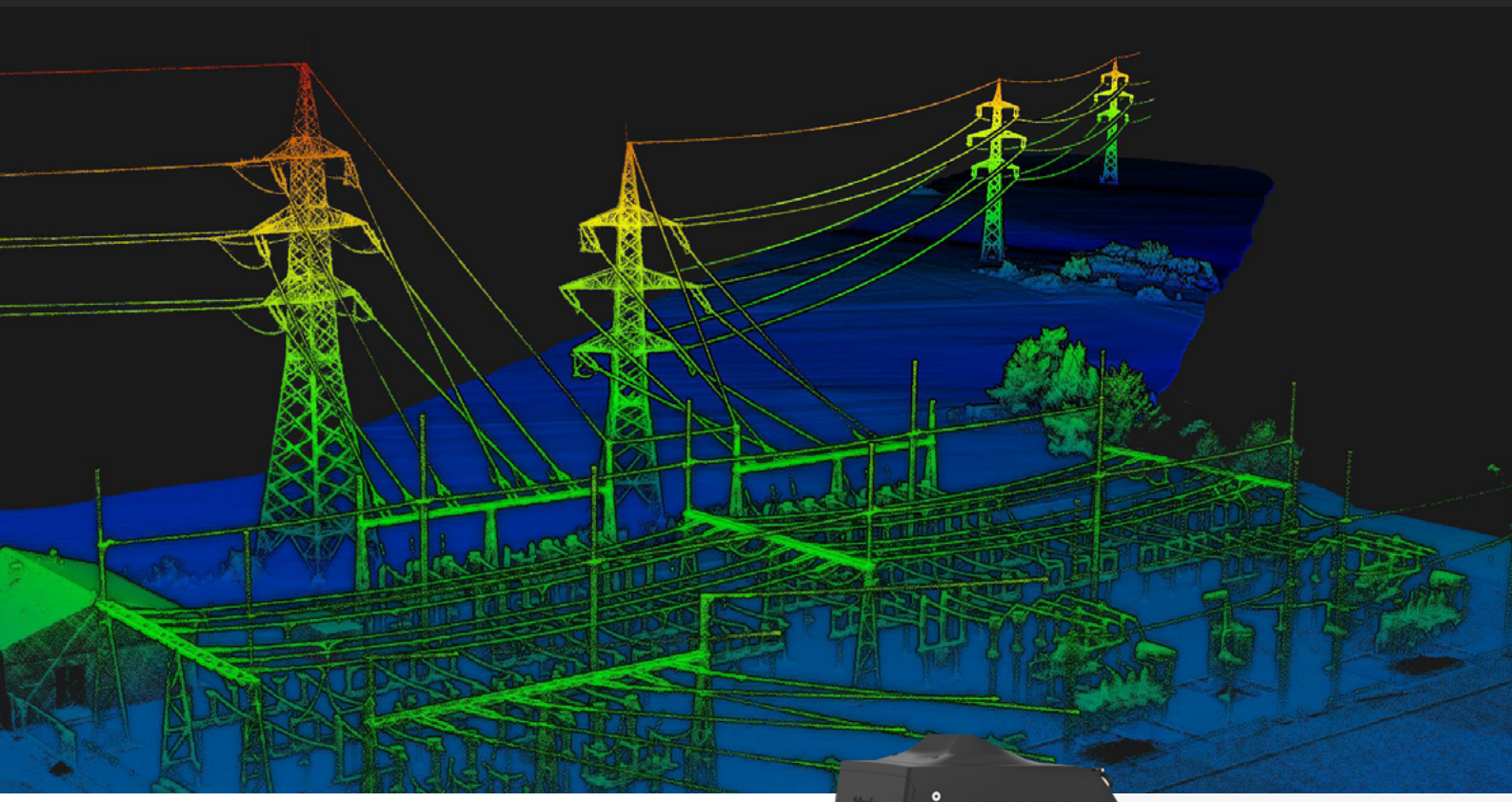

YellowScan Vx-DL.

The high precision solution dedicated to linear applications

YellowScan Vx-DL has a narrow "downward-looking" FOV enabling an exceptional point density.

Optimized for fast-moving platform.

Ideally suited for linear projects such as powerline / pipeline and roadway / railway infrastructure surveys.

Technologies inside

applanix | RIEGL

Key differentiators

- Optimized for fast-moving platform
- Dedicated to linear infrastructure scanning

UAV Integrations

- Multirotor drones
- Helicopter drones
- Fixed-wings

Technical specifications.

Scanner	RIEGL miniVUX-1DL
Wavelength	905 nm
Precision(1) (3)	1 cm
Accuracy(2) (3)	2.5 cm
Scanner field of view	46°
Shots per second	100k
Echoes per shot	Up to 5
GNSS-Inertial solution	Applanix APX-20 UAV

General characteristics.

Weight	4.1 kg (9 lbs) battery included
Autonomy	45 minutes typ.
Power consumption	50 W
Operating temperature	-20 to +40 °C
Size	L 42 x W 11 x H 19 cm

(1) Precision, also called reproducibility or repeatability, accounts for the variation in successive measurements taken on the same target.

(2) Accuracy is the degree of conformity of a measured position to its actual (true) value.

(3) One σ @ 50 m, nadir.

Package includes.

✓ **Hardware:**

- YellowScan Vx-DL
- Charger and 2 batteries
- GNSS antenna and cable
- 2 USB flash drives
- Documentation

✓ **Services:**

- Boresight calibration certificate
- 1-year warranty
- In-person training
- Worldwide technical and operational support

✓ **Software:**

- Applanix POSPac UAV, to post-process GNSS and inertial data for highest accuracy
- YellowScan CloudStation, to generate and visualize your georeferenced point cloud

⊕ **Optional:**

- Mounting bracket with single Sony α6000 camera for DJI M600
- YellowScan LiveStation, the real-time in-flight LiDAR monitoring kit (software + 2 radio-modems)
- Warranty and technical support extensions

Typical mission parameters.

FLIGHT SPEED
18 m/s

ALTITUDE
80 m

SWATH
50 m