



AeSystem 380 / 480 / 580

Lightweight scanner

It is equipped with one scanner out of three possible Riegl models, designed to acquire LiDAR data from aircrafts, making it possible to perform well even under adverse weather conditions.

High resolution

The quality of the geo-referenced cameras we can add to this system allows us to achieve a high level of detail. Moreover, it adds value to the projects and facilitates a more comprehensive assessment of them.

Centralized control

AeMission enables a full control of the data acquisition process, assisting with the flight navigation and the modification of adjustments or parameters of the sensors in real time and in a very easy way.

“We adapt our system to different technical requirements or projects”

It is possible to set up the system in multiple ways according to the technical requirements of the projects to be carried out.

We can assemble several models of Riegl laser scanners (VQ-380i, VQ-480i, VQ-580) to choose from, depending on the customer choice or the technical needs. The laser scanner will be responsible for generating the LiDAR point clouds.

The selected laser comes with a set of cameras, facilitating a more comprehensive assessment. Cameras can be RGB and/or NIR aerial photography cameras, thermal or video cameras.



EQUIPMENTS	BRAND AND MODEL
Aerial laser scanner	Riegl: VQ-380i, VQ-480i or VQ-580
IMU (Inertial Measurement Unit)	IMAR IMU-FSAS-NG or IMAR IMU-FSAS-HP KVH 1725, KVH 1750, KVH 1775 or KVH CG-5100
Aerial digital photo camera RGB / NIR	PhaseOne IXU-RS 1000 or PhaseOne IXU 1000 Lens according to the project requirements
Aerial digital photo camera RGB / NIR	Hasselblad A6D Lens according to the project requirements
Aerial digital photo camera RGB	Prosilica GT 4905C Lens according to the project requirements
Thermal camera	VarioCam HD Head 800
Video	Sony FBC-EV7500 Camera Block
GNSS	Javad TR-G3T
GNSS Antenna	ANTCOM
Synchronization and control unit	AeCU 2.3
PC	AePC
Software	AeMission
Peripheral devices	Sunlight readable screens
Equipment container (box)	AePod
Mounting structure	Certified fittings

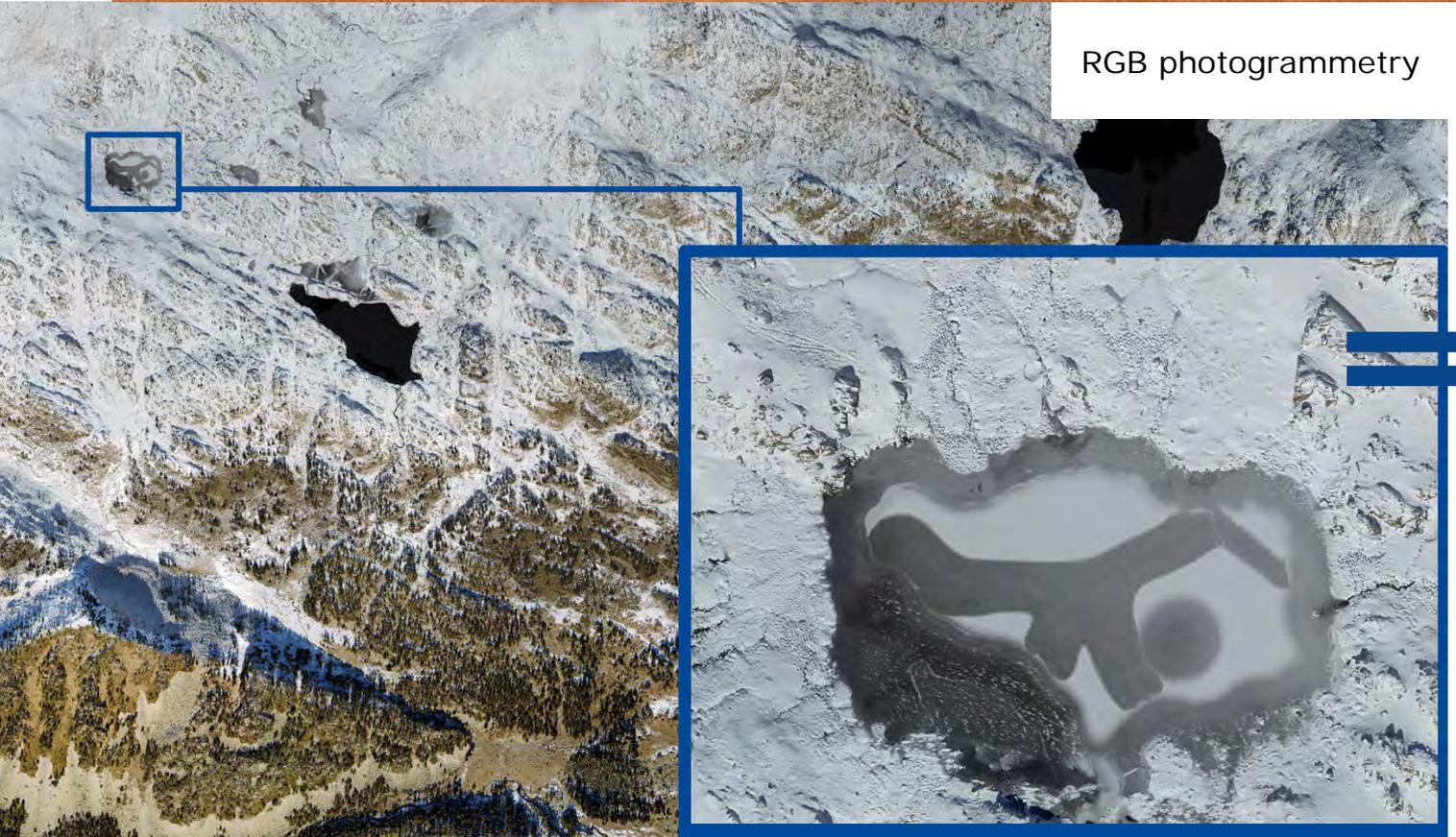




LiDAR in power line inspections



Power line corridors



RGB photogrammetry



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