Re-deployable Battery Pack

QRO's rapid deployment battery pack.

QRO Solutions have launched a rapid deployment battery pack to support various ANPR camera solutions. The battery pack utilises the latest lithium cell technology, supports high current discharge rates and has a long lifespan of over 2000 cycles at 80% Depth of Discharge (DoD). The batteries are constructed with high energy density cells allowing them to be smaller and lighter than comparable technologies.

The aluminium housing incorporates a quick attachment mount, which allows the installer to first install the mount and secure on the column, before locating the battery enclosure onto the mount and locking in place. This negates the requirement to support the weight of the battery whilst trying to secure banding around the column at the same time.

The battery pack is designed to provide at least 72 hours of continuous use, to either camera before the batteries require charging. Due to the quick release nature of the battery pack from the bracket, it is possible to rapidly swap the battery with a previously charged one, to continue with a longer operational requirement.

Key Features

The battery solution can be installed on an existing street lighting column or other street furniture without the need for external power.

Operational duration

Used with the MAV or Eagle camera, the operational period before battery discharge should be around 3 days.

Extended operational use

Operational use can be extended by connecting more than one battery pack together.

Lightweight

At 15.7kg, the battery solution is a reduction in weight compared with other solutions that provide the same operational time period.

Rapid Deployment

The battery housing is deigned in two sections, the first section attaches to the street furniture whilst the second section is latched onto the first section.

This prevents the need to support the weight of the battery whilst trying to attach to the pole at the same time.

Re-deployable Battery Pack

Specifications

Charging Temperature	
	-10 to +50°C
Charging Time	
	5h (internal cell balancing)
Dimensions	
	549 x 183 x 99 mm
Discharging Temperature	
	-20 to +60°C
Enclosure material	
	Aluminium
Fuse	
	Internal polyfuse (self-resetting)
Ingress Protection	
	IP66
Isolation	
	Internal output isolator switch (accessible with lid removed)
Output Voltage	
	48V (12V option available)
Run time	
	72h+ (3 days)
Weight	
	15.7kg (including mounting bracket)