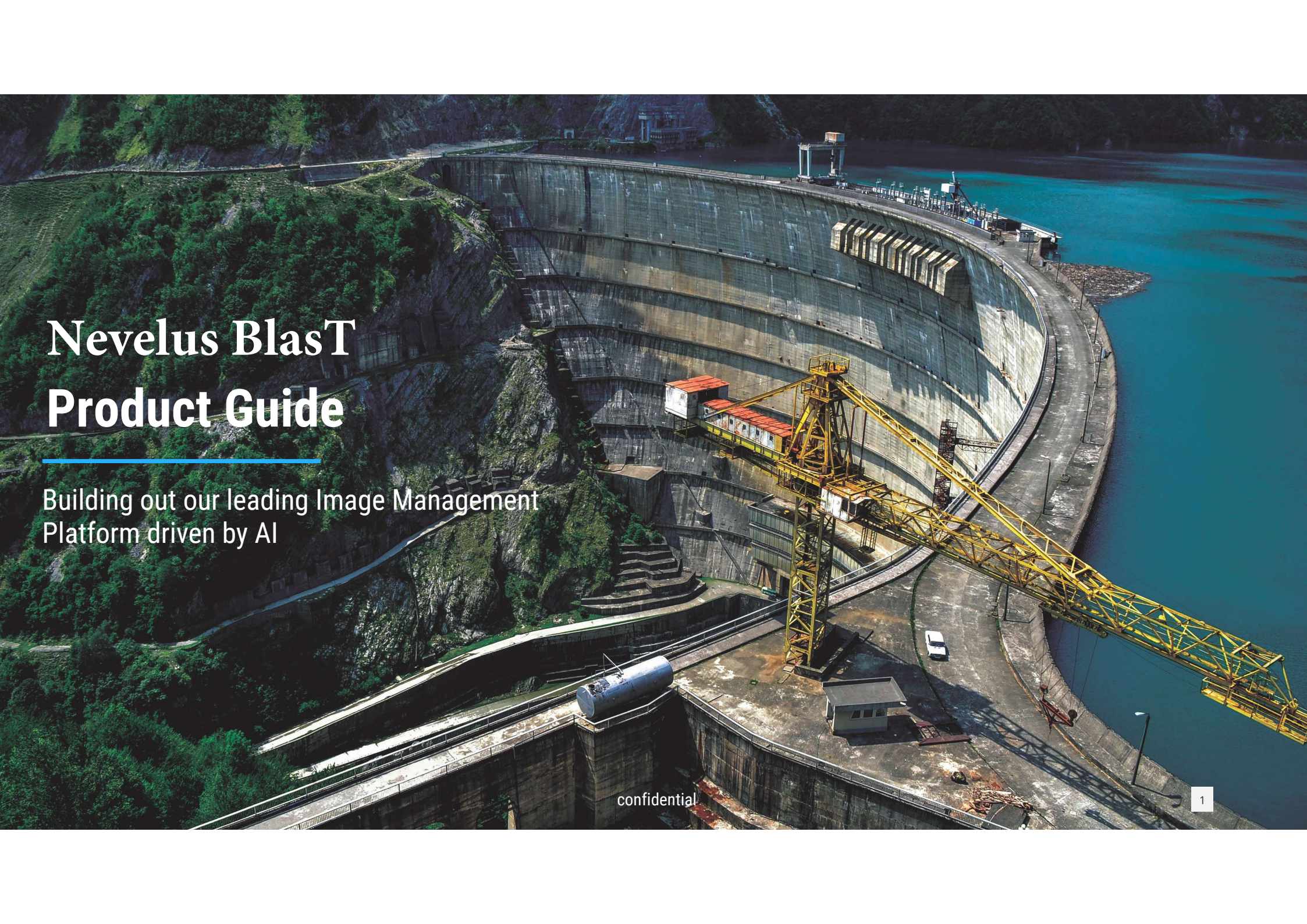


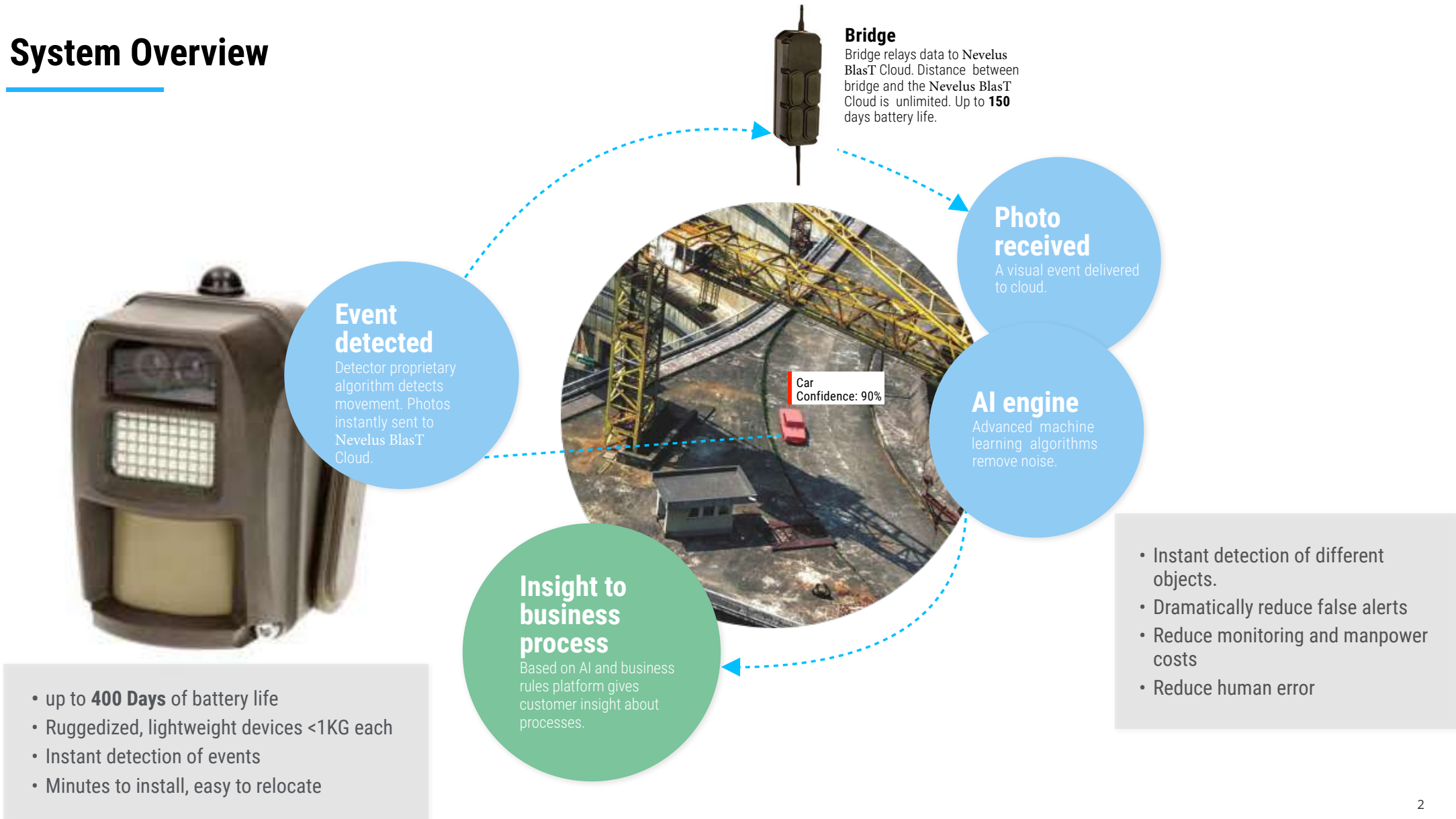
An aerial photograph of a massive concrete dam, likely the Hoover Dam, showing its curved structure and the surrounding landscape. A large yellow crane is positioned on a road or platform near the dam. The water behind the dam is a deep blue. The foreground shows a road with a white car and some industrial structures.

Nevelus Blast Product Guide

Building out our leading Image Management
Platform driven by AI

confidential

System Overview



Detector



Order code	Detector HDR XRL: BL_007 Detector HDR XRL corridor: BL_008
Detection	35 m
Picture	Full HD Day 2048x1536 Night 1280x960 HDR capability IR Flash (940nm) Capture 500ms Internal memory 2000 images
Battery	up to 400 days stand by 10 200 mAh rechargeable Li-on
Radio	500 m line of sight 2.4Ghz, bandwidth 250 kbps re-transmission up to 8 hops
Security	Elliptic curve cryptography (secp160r1) AES 128(=RSA 1024 BIT KEYS)
Size	8.5 x 12 x 10 cm.
Temperature	-45°C to +60°C

* Battery life depends on signal strength, image quality, number of events sent. To extend battery life use Batter Pack Extension, Solar Panel or if possible Mains Power Charger.

Bridge



Order code	Bridge 4G EU: BL_113 Bridge 4G EU with external antennas: BL_114
Long range radio	2G/3G/4G
Radio	500 m line of sight 2.4Ghz, bandwidth 115 kbps re-transmission up to 8 hops
Battery	up to 150 days or up to 50 000 incidents * 40 800 mAh rechargeable Li-on
Security	Elliptic curve cryptography (secp160r1) AES 128(=RSA 1024 BIT KEYS)
Size	9.5 x 7.5 x 29.5 cm.
Temperature	-45°C to +60°C

* Battery life depends on signal strength, number of Detectors, number of events sent. To extend battery life use Batter Pack Extension, Solar Panel or if possible Mains Power Charger.

Siren



Order code	Siren: BL_111
Indication device	Max 102 dBA (measured distance of 1 meter on axid) Siren tone: sweep or steady Tone frequency: 2400-2800Hz Siren control logic: intermittent (1s on, 1s off)
Beacon	Beacon lens color: Amber Beacon control logic: Flashing (1s on, 1s off)
Radio	500 m line of sight 2.4Ghz, bandwidth 115 kbps re-transmission up to 8 hops
Battery	up to 400 days or 200h of constant alarm (using 1 battery) 10 200 mAh x 4 rechargeable Li-on
Security	Elliptic curve cryptography (secp160r1) AES 128(=RSA 1024 BIT KEYS)
Size	9.5 x 7.8 x 29.5 cm.
Temperature	-45°C to +60°C

Solar Panel



Order codes	SOLAR PANEL KIT (panel, converter, battery): BL_103 SOLAR PANEL (with converter & mounting clamp): BL_112 SOLAR BATTERY: BL_410 SOLAR CONVERTER: BL_411
Electrical parameters	Solar panel OCV: 22.8V Solar panel Vmp: 18.6V Solar panel Pmax: 20V Max charging current: 2A Max battery voltage: 4.2V Battery NTC value: 10k
Mechanical	Solar panel dimension: 43,5 x 35.5 x 2.5 cm Cable length: 2m Product weight (solar panel and cabling w/o battery): 2.3 kg

Battery Extension Pack

Battery Extension Pack is used to increase Detector and Bridge battery capacity.
NB! Battery Extension Pack and solar battery are separate items. 2 solar batteries are required.



Order code	BATTERY EXTENSION PACK (includes battery extension pack + connecting cable): BL_BL_420 2 x SOLAR BATTERY: BL_410
Electrical parameters	Capacity : 40.8 Ah Max battery voltage: 4.2V Battery NTC value: 10k
Mechanical	Dimensions: 265 mm x 94 mm x 93 mm Cable length: 1 m Weight: 1.2 kg (kit net weight) 0.8 kg (battery extension pack without batteries) 1.5 kg (battery extension pack with 4 batteries) 0.2 kg (solar battery)



Mains Power Charger UK

Mains power charger is used to charge Nevelus BlasT Detector and Bridge batteries. **NB! Mains power charger and solar battery are separate items.**



Mains Power Charger EU

Order code	MAINS POWER CHARGER EU : BL_413 MAINS POWER CHARGER UK : BL_414 2 x SOLAR BATTERY: BL_410
Electrical parameters	Input voltage range: 100-240 VAC, (50/60 Hz) Max. charging current: 2A Max battery voltage: 4.2V Battery NTC value: 10k
Mechanical	Dimensions: Consists of 2 components and connecting cables: Power adapter 150 mm x 40 mm x 35 mm Solar charger 40 mm x 25 mm x 25 mm Cable length: 11.5 m (AC cable 1.5 m & DC cable 10 m) Weight (charger with cabling w/o battery): 1.2 kg



Mains Power Charger UK

Mains Power Charger EU

Mains power charger is used to charge Nevelus BlasT Detector and Bridge batteries. **NB! Mains power charger and solar battery are separate items.**



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Mains Power Charger UK

Connector Mote

Connector Mote is a communication device that intermediates the data connection between the Handheld smartphone equipped with the Nevelus BlasT installation app and the Nevelus BlasT devices in the field.

With the help of *Connector mote*, Nevelus BlasT installation app user is able to configure the settings of and communicate with the Detectors, Bridges and Sirens during system installation.



Order code	Connector Mote: BL_304
Communication	Bluetooth: Bluetooth ver. 1.2 Frequency: 2402-2480 Mhz Class 1, 15 dBm transmitter 802.15.4: Frequency 2400-2481 Mhz 3.5 dBm transmitter
Battery & Charging	Battery: Li-Ion 3.7 V Capacity: 1150 mAh Charging: via micro USB socket
Mechanical	Dimensions: 100 mm x 32 mm x 47 mm Weight: 66 g

12 Bay Rapid Battery Charger

12x2A battery charger is used to charge Nevelus BlasT Li-ion battery packs. The charger has 12 independent charger slots and an external AC/DC adapter.



Order code	12 BAY CHARGER (EU, UK, US): BL_409
Electrical parameters	AC/DC adapter: Meanwell GST60A12-PIJ AC/DC adapter weight: 0.9 kg Charge current: 2A Charge voltage: 4.2V Charge time: 8 hours (10 Ah battery pack at 25C ambient temperature) Battery NTC value: 10k
Mechanical	Dimensions: 1200 mm x 450 mm x 4700 mm Weight: 1.4 kg

4 Bay Rapid Battery Charger

4x2A battery charger is used to charge Nevelus BlasT Li-ion battery packs.
The charger has 4 independent charger slots and an external AC/DC adapter..



Order code	4 BAY CHARGER (EU, UK, US): BL_408
Electrical parameters	AC/DC adapter: Meanwell GST60A12-PIJ AC/DC adapter weight: 0.5 kg Charge current: 2A Charge voltage: 4.2V Charge time: 8 hours (10 Ah battery pack at 25C ambient temperature)
Mechanical	Dimensions: 1200 mm x 450 mm x 1600 mm Weight: 0.5kg

Fastening Accessories

Mounging bracket
Order code: BL_317



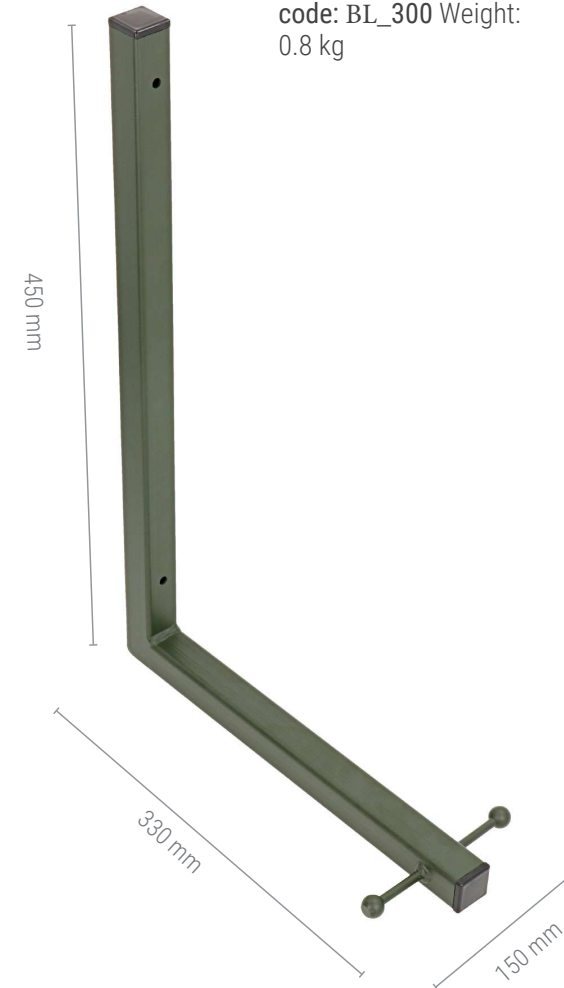
Mounging screw Order
code: BL_302



Magnetic mounting bracket
(includes Mounting bracket
53317) Order code: BL_330



L-shaped mount Order
code: BL_300 Weight:
0.8 kg



Security Accessories



Security nut tool Order code: BL_029

Security nut Order code: BL_211

