# ZEB DISCOVERY

# The future of integration is here

LiDAR and high resolution imagery from our first generation ZEB Discovery.

The strongest SLAM algorithm on the market, now available with ultra-high definition imagery from the NCTech iStar Pulsar camera.

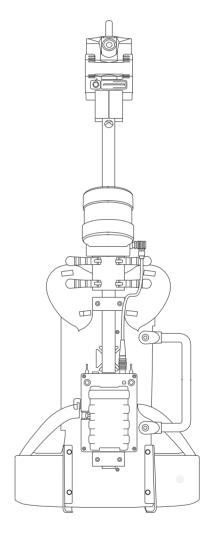Brand new features with the ZEB Discovery:

- Clip and go technology, take your ZEB Horizon from walking to UAV and now the ZEB Discovery in minutes

- Automated workflow for pointcloud and imagery synchronisation

- GIS grade GPS for location

### Scanner specification

| | |
|---|---|
| Range | 100m |
| Protection class | IP 54 |
| Processing | Post |
| Weight | TBC |
| Intensity | ✔ |
| Referenced imagery | ✔ |
| Scanner points per second | 300,000 |
| No. of sensors | 16 |
| Automated scanner start | ✔ |
| Relative accuracy | 1-3 cm* |
| Raw data file size | 100 - 200MB a minute |

### Camera

| | |
|---|---|
| Camera dimensions | 118 x 118 x 191 mm |
| Frame Rate | Up to 7fps |
| Lens | 4 x f/2.6 fisheye lenses |
| FOV | 360 x 145° +/- 5 deg |
| Casing | CNC Hard Anodised Aluminium |
| IP Rating | IP64 |
| Operating Temperature | 0 - 40 Celcius |

*environment dependent

nctech
virtualizing the world

GEO SLAM