# Secure and monitor your boat with BRNKL

BRNKL is an award-winning 'home security system for your boat' built by people that know security. Check on your boat and receive an alert if something's wrong whether you're at the dock, at home, or halfway around the world. Stay connected from your phone, tablet or computer web browser.

## Security

Capture camera images from your boat. Take photos on demand or automatically when a door opens, motion's detected, or other triggers.

## Monitoring

Monitor up to 4 battery banks, shore power, bilge activity, and external sensors. Internal sensors include temperature, humidity, barometric pressure, pitch, heel and impact.

## Global Coverage

Cross borders without replacing SIM cards or other configuration hassles. BRNKL operates on a global cellular network.

## Out-of-the-box features

- Camera
- GPS tracking with anchor drag alerts
- Battery monitoring
- Bilge monitoring
- Temperature, humidity, barometric pressure sensors
- Impact sensor
- Pitch and heel sensor

## Supported accessories

- Shore power sensors
- Door/window sensors
- Pressure mat
- Key fob and siren
- Motion sensors
- Smoke sensors

## Try a demo

Go to **brnkl.io** to explore BRNKL using real data from a real boat.

Download on the App Store · GET IT ON Google Play

BRNKL

# Specifications

## General

| | |
|---|---|
| **Physical Dimensions** | 127 mm x 90 mm x 50 mm |
| **Status Indicator** | LED indicator light |
| **Weight** | 239g |
| **Power Consumption** | <20uA (standby)<br><70 mA (active) |
| **Antennas** | GPS (internal)<br>GPS (external port)<br>Mobile network (internal) |
| **Mounting** | Mounting plate |
| **Temperature** | -20°C to +75°C |
| **Battery** | 1400mAh |
| **Water Rating** | N/A |

## Mobile Network Connection

| | |
|---|---|
| **Geographic Coverage** | Network coverage areas worldwide |
| **3G** | HSPA+, UMTS |
| **2G** | Edge, GSM, GPRS |
| **Service** | Data only |
| **Service Plan** | Annual or monthly subscription |
| **Service Provider** | Barnacle Systems Inc. |

## Camera

| | |
|---|---|
| **Internal/External** | External |
| **Resolution** | 800 x 600 |
| **Connection** | Wired, proprietary cable |
| **Night Vision** | Infrared image sensor |
| **Water Rating** | IP65 |
| **Cable Length** | 2 m (other lengths available) |

## Your Local Dealer

## Sensors

| | |
|---|---|
| **GPS Receiver** | GPS, Galileo, Glonass |
| **Accelerometer** | ±2g; 16384 LSB/g |
| **Gyroscope** | ±125 deg/sec;<br>262.4 LSB/deg/sec |
| **Temperature** | -20 to +75°C; ±3°C |
| **Humidity** | 300 to 1100hPa; ±1.5 Pa/K |
| **Barometric Pressure** | ±0.25%; ±1.5 Pa/K |

## Connections

| | |
|---|---|
| **Analog Inputs** | 4 wired (5-32V DC) |
| **Digital Inputs** power | 2 wired (9-32V DC) |
| **Digital Inputs** ground | 4 wired |
| **Digital Outputs** ground | 2 wired |
| **Ground Connections** | 2 |
| **External Camera Port** | 1 wired (proprietary connection) |
| **GPS Antenna** | 1 internal; 1 wired external port (SMA) |

## BRNKL Interface

| | |
|---|---|
| **Mobile Devices** | iOS app or browser; Android app or browser |
| **Other Devices** | Browser |
| **Browser Compatibility** | Chrome, Safari, Firefox, Edge |
| **Connection** | Internet connection |

**BRNKL**