



# BRNKL

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## Summary

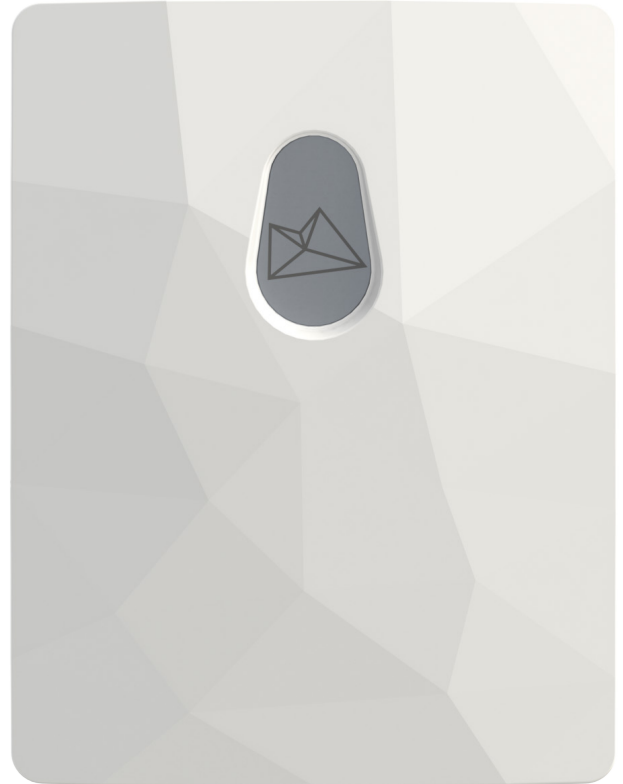
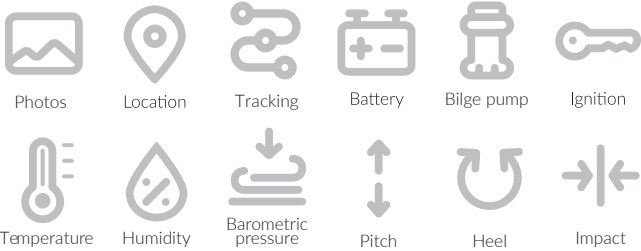
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BRNKL is a boat security and monitoring system. Similar to a home security system, you can check on your boat's critical systems from your smartphone, tablet, or computer.

BRNKL has a built-in cellular SIM card, which allows you to track and receive alerts from your boat whether it's tied up at a busy marina or anchored at a remote island.

## Features

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## What's required

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BRNKL requires an annual or monthly service subscription for cellular connectivity. It costs \$300 per year or \$29 per month in Canadian dollars.



# BRNKL Specs

## General

<b>Physical Dimensions</b>	127mm x 90mm x 50mm
<b>Weight</b>	239g
<b>Temperature</b>	-20°C to +75°C
<b>Power Consumption</b>	<20uA (standby) <35mA (active)
<b>Antennas</b>	GPS (external) Mobile network (external)
<b>Mounting</b>	Mounting plate
<b>Battery</b>	1200mAh
<b>IP Rating</b>	N/A
<b>Status Indicator</b>	LED indicator light

## Mobile Data Network

<b>Geographic Coverage</b>	Network coverage worldwide
<b>5G/4G LTE</b>	Cat-M1/NB1
<b>2G</b>	Edge, GSM, GPRS
<b>Service</b>	Data only
<b>Service Plan</b>	Annual or monthly
<b>Service Provider</b>	Barnacle Systems

## Sensors

<b>GPS Receiver</b>	GPS, Galileo, GLONASS, BeiDou
<b>Accelerometer</b>	±2g; 16384 LSB/g
<b>Gyroscope</b>	±125 deg/sec; 262.4 LSB/deg/sec
<b>Temperature</b>	-20 to +75°C; ±3°C
<b>Humidity</b>	±3% relative humidity
<b>Barometric Pressure</b>	±0.25%; ±1.5 Pa/K

## Connections

<b>Analog Inputs</b>	4 wired (5-32V DC)
<b>Digital Inputs Power</b>	2 wired (9-32V DC)
<b>Digital Inputs Ground</b>	4 wired
<b>Digital Outputs Ground</b>	2 wired (1.5A max)
<b>Ground Connections</b>	2 wired
<b>External Device Port</b>	1 wired (proprietary)
<b>Antenna Ports</b>	2 SMA ports

## BRNKL Interface

<b>Mobile Devices</b>	iOS app or browser; Android app or browser
<b>Other Devices</b>	Browser
<b>Browser Compatibility</b>	Chrome, Safari, Firefox, Edge
<b>Required Connection</b>	Internet connection

## Camera

<b>Resolution</b>	800 x 600
<b>Connection</b>	Wired, proprietary cable
<b>Night Vision</b>	Infrared image sensor
<b>Water Rating</b>	IP65
<b>Cable Length</b>	2m (can be extended)