

PRODUCT

NAO® BLUESPOT V4 INDOOR

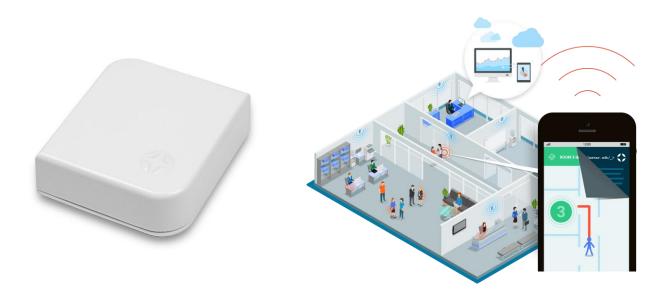
DATASHEET

Bluetooth® 5.0 Low Energy Beacon with iBeacon technology1.

The 4th generation of the most **reliable** beacon on the market, compatible with **Bluetooth**[®] **5** and up to **10 years** of battery life.

With more than 8 years of field experience, we designed a reliable industrial solution, allowing for best performance on iOS® and Android®. More than 350 clients and partners worldwide chose Pole Star beacons, representing more than 130,000 active beacons.

The NAO® BlueSpot V4 is a key component to the NAO® Suite to cover all your use cases, from mobile navigation to asset tracking.



¹ iBeacon technology creates a small area of detection where customized notifications can be sent to iBeacon-enabled apps on iPhone, iPad, or iPod touch devices that support Bluetooth 4.0 technology. See https://developer.apple.com/ibeacon/

Note: pictures are not contractual. Pole Star reserves the right to modify the product without notice

FEATURES



5 to 10 years of battery life depending on configuration with 1 or 2 battery cells, with **default** value of advertising frequency and advertising power, and running in **wide range of temperature and humidity conditions**². Working with high quality battery cells, the Saft LS14500, and optimized energy usage. Batteries are **replaceable**.



Plug & Play. Beacons are configured at manufacturing so that you can install and activate them right away.





Radio Bluetooth® 5.





Uses Apple® iBeacon, or alternative formats such as Eddystone or proprietary («custom advertising»).



Secure. Integrated Secure Mode. Relies on the most recent cybersecurity guidelines.

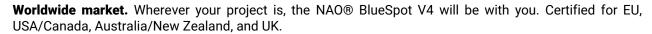


Connected. Life status visible on site with NAO® Logger mobile application, or remotely with your NAO® Cloud dashboard relying on the NAO® SDK or integrating connected infrastructure.

Evolutive. "Over The Air" updates of firmware parameters or for complete upgrade.









Quality. Designed and assembled in France, all our products are tested before delivery.

Warranty. All our products have a 1 year warranty.

² Running with one or two 2500 mAh batteries, 24/7/365, 20°C, with the standard configuration profile (850ms interval advertising, full RF power).

SPECIFICATIONS

Dimensions & Weight	Dimensions	63 x 56 x 18 mm		
	Weight	30g w/o batteries, 70g with two batteries		
Casing	Material	ABS		
	Color	White (RAL9003)		
	Mounting	Zip ties / Screws: x2, Ø3 mm, countersunk, cross type / Adhesive tape		
Power supply	Format	AA/LR6, x1 or x2 depending on configuration, replaceable		
	Technology	Lithium (Li-SoCl2), not rechargeable		
	Voltage & Capacity	3.6V, 2500 mAh		
Battery life	Standard NAO® profile (iBeacon)	5+ years (850ms interval, 0 dBm, 20°C), with 1 battery		
		10+ years (850ms interval, 0 dBm, 20°C), with 2 batteries		
Advertising	Advertising	Apple® iBeacon mode (default), Google® Eddystone UID, custom		
	Configurable	Yes		
	Shuffled IDs and MAC	For encrypted advertising.		
	Additional data	Health monitoring data (proprietary) including remaining lifetime, system flags)		
RF performance	Range (typical)	> 100m outdoor, free space / 25m indoor, variable.		
	Transmitted RF power	-27 dBm to +8 dBm max.		
	RSSI readings	-54 measured at 1 meter ³ .		
Peripherals	LED	Missing or failing battery detection. Hardware and software health test.		
	Temperature sensor	+/- 5°C		
Environmental	Temperature	-40°C / + 82°C ⁴		
	Humidity	0 à 99 %		
Certifications	Protection	IP54		
	RoHS/REACH	2017/2102/CE (2017-11)		
		2018/35/CE (2018-01)		
	EU (CE)	EN 301489-1 V2.2.3 2019-11		
		EN 301489-17 V3.2.4 2020-09		
		EN 300328 V2.2.2 (2019-07)		
		EN 62479: 2010		
	USA/CA (FCC/ISED)	FCC 47 CFR Part 15: 2020		
		ICES-003 / NMB-003 édition 6 : 2016 with modification of 2017		
		ICES-Gen / NMB-Gen : 2018		
	Australia/NZ (ACMA)	AS / NZS 4268 : 2017		
	UK (UKCA)	SI 2017/1206 Schedule 3 Module B		

CONTACT US

Support	support@polestar.eu	EMEA offices	Pole Star SA	US offices	Pole Star USA Inc
			11, rue Paulin Talabot		Industrious Chicago
Regulatory	regulatory@polestar.eu		31170 Toulouse - FRANCE		233 South Wacker drive -Suite 4400, 44th floor
			+33 (0) 534 609 520		Chicago IL 60606 - USA
Website	http://www.polestar.eu				+1 650 285 3338

³ Measured as specified and described in the Apple iBeacon Proximity Beacon Specification – Release R1 (2015/09/04). ⁴ Expected battery life should be drastically reduced when continuously operating at extreme temperatures.