

Swarm Perception Boxes

As data gathering is ever-changing and complex, reliable information is mission-critical for planning a better tomorrow. Swarm Analytics enables real-time data extraction from video streams with a computer vision device. The Swarm Perception Boxes transform conventional cameras into smart sensors to deliver use case specific insights for the Smart City, Retail, Public Transport, and many more sectors.



Swarm Perception Boxes are:



Smarter

Constant improvements to conquer the data sourcing challenges of tomorrow



Faster

Highly efficient Neural Networks through Swarms' Dynamic Perception Technology for IoT devices & large scale deployments



Easier

IoT and Cloud native architecture, centrally managed for a few to thousands



Affordable

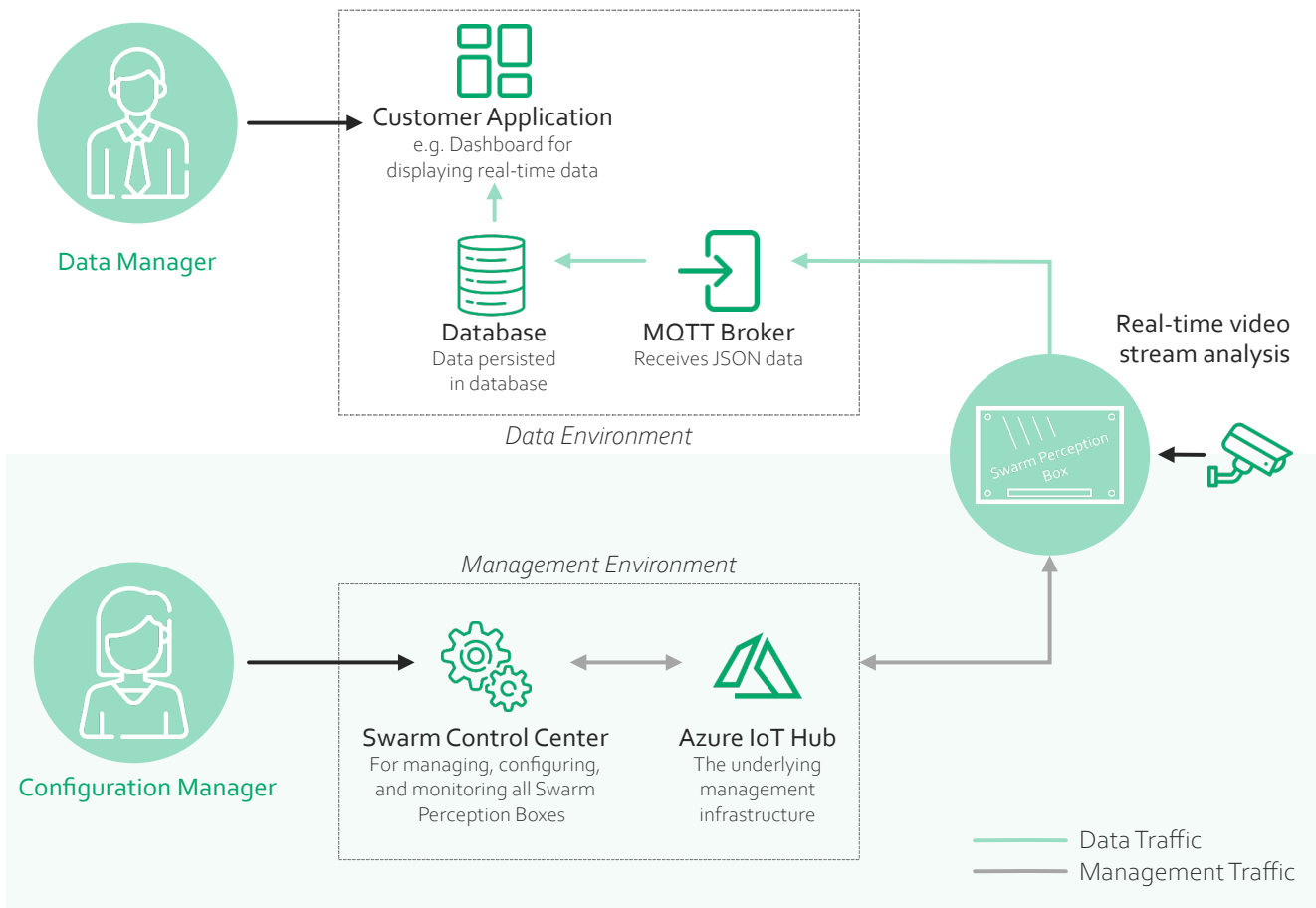
Starts from 1 €/day



Trustworthy

Fully provisioned within your IT environment and native GDPR compliant operation schema

How does the architecture work?

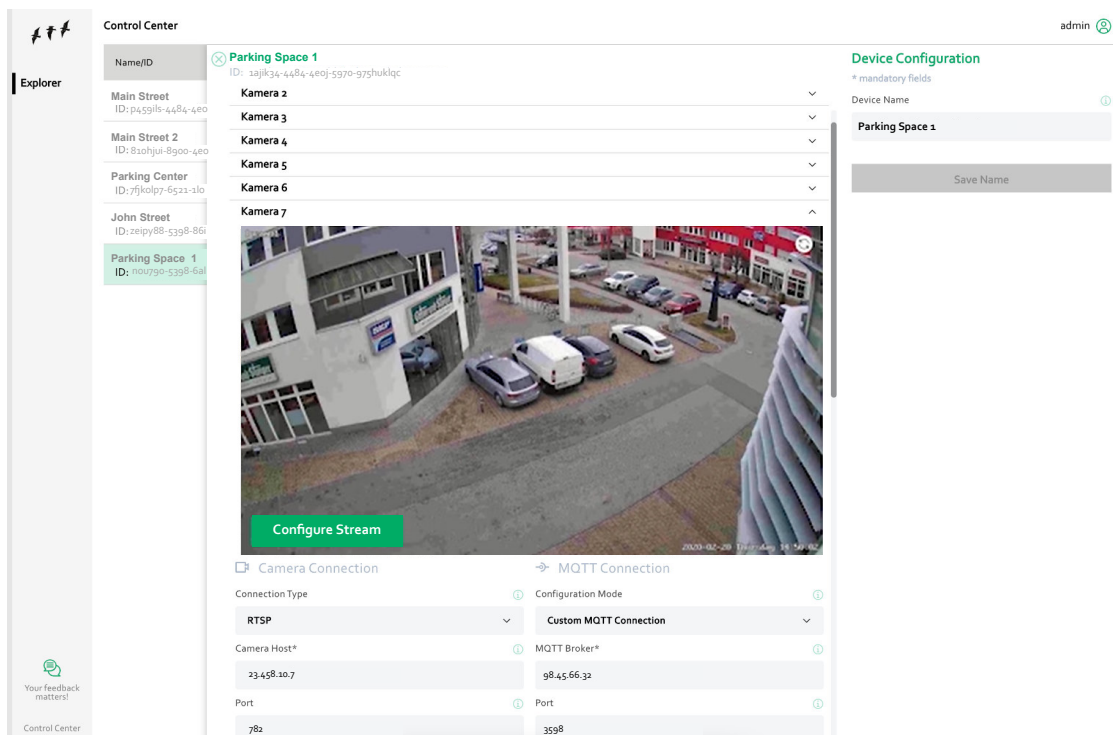


Swarm Perception Platform

Scalable. Reliable. Built for integration.

Management where you want it, computation where you need it!

The Swarm Perception Platform is built with central management in mind, which allows fast and easy roll-out of Swarm Perception Boxes. The core concept is to bring the computation as close as possible to the data sources while keeping all management centralized.



Technical Specs

	Swarm Perception Box P100	Swarm Perception Box OP100
General		
# of IP Camears Streams	1 to 3 (depending on the Use Case)	1 to 3 (depending on the Use Case)
Minimum Camera Requirements	720p @ 25 FPS	720p @ 25 FPS
Video Codec	H264	H264
Stream Protocol	RTSP, UVC	RTSP, UVC
Event Format	JSON	JSON
Message Output Support	- Custom MQTT Broker - Azure IoT Hub	- Custom MQTT Broker - Azure IoT Hub
Network		
Interfaces	1x Gigabit Ethernet	1x Gigabit Ethernet with 802.3af PoE Support
Connectivity	-	4G/ LTE Modem
Power Supply	External USB-C (included)	External Junction Box, 230 V
Power Consumption	< 8 W (without camera)	< 15 W (without camera)
Mechanical		
Mounting Options	DIN Rail Mount	Pole Mounting Kit
Weight	172 grams	850 grams
Dimensions (L x W x H)	96.5 x 70.0 x 33.5 mm	255 x 205 x 112 mm
Environmental		
Enclosure	-	IP68
Operational Temperature	-10 °C to +60 °C	-20 °C to +70 °C
Support		
Standard Support	Included at no extra cost	Included at no extra cost
Advanced replacement	Included,next business day shipping	Included,next business day shipping
Software updates	All software updates and new features included at no extra cost	All software updates and new features included at no extra cost
Operating System (OS) and maintenance	Swarm OS Automatically maintained	Swarm OS Automatically maintained
Software provisioning	Hardware provisioned with Swarm OS/ software	Hardware provisioned with Swarm OS/software
Premium Support	Optional	Optional
Price		
Price per year (all inclusive)	950 €	1450 €

For more information or a demo, get in touch with us!



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