QbProtect

Blickfeld's Smart 3D
Security LiDAR

Blickfeld
LiDAR / scan your world

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QbProtect – Blickfeld's Smart 3D Security LiDAR

Producing and processing accurate and reliable 3D data on-device for advanced physical security applications.

By utilizing precise 3D laser technology, Blickfeld QbProtect provides reliable detection of threats while minimizing false alarms and thereby ensuring a dependable reaction to legitimate security incidents.

KEY SOFTWARE FEATURES

▶ **Alarms based on object size, direction and behavior** for significant reduction of false alarms

▶ **GDRP-compliant RTSP stream** for protecting privacy

▶ **Object tracking** within multiple sensors fields of view

▶ **Integrated geolocation** to easily align the 3D point cloud to a map

UNIQUE TECHNICAL ADVANTAGES

No rotating mechanical components

▶ No friction or wear-out of components

▶ Camera-like robustness (MTBF)

▶ Durable LiDAR sensor for both indoor and outdoor use cases

400 scan lines lead to high resolution

▶ Allows determination of true object size even in large distances

▶ Ability to detect even small objects

Camera-like field of view

▶ Mounting very easy and similar to camera or thermal camera

On-device processing

▶ Processing on the edge allows continued operation even in case of network failure

▶ No external PC required

**Compatibility with common Video Management Systems (VMS) over standard interfaces**

TECHNICAL SPECIFICATIONS

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Technology	3-dimensional Laser Ranging (LiDAR) with edge processing
Max. field-of-view	90° x 50° (horizontal x vertical)
Range a	80 m
Frame rate	1 – 50 Hz depending on configured scan pattern
Laser class	Class 1, eye-safe (IEC 60825-1:2014)
Dimensions b	Ca. 75 mm x 111 mm x 83 mm (H x W x D)
Weight b	Ca. 535 g
Ingress protection	IP67
Voltage input	Power over Ethernet (PoE); IEEE 802.3at Type 1
Power consumption	Typ. 10 W; max. 13 W
Output interfaces	ARP, ICMP, DHCP, DNS, TLS, 802.1X, UDP, NTP, IPv4, IPv6, TCP/IP, HTTP, HTTPS, gRPC, MQTT, ONVIF, RTSP
Conformity marks / Compliance	CE, UKCA, REACH, FDA, FCC, TAA-compliant product variants available upon request
Accessories (optional)	Weather protection roof, Dual sensor mount; Pan-tilt mounting bracket; Ethernet cable; WiFi antenna

a Human Target (size 150 x 50 cm); range performance depends on scan pattern and factors including but not limited to object reflectivity (stated numbers measured at 25 %). Environmental conditions may influence range performance. Recommended minimal distance 1 m.

b without cables or antenna attached

APPLICATIONS
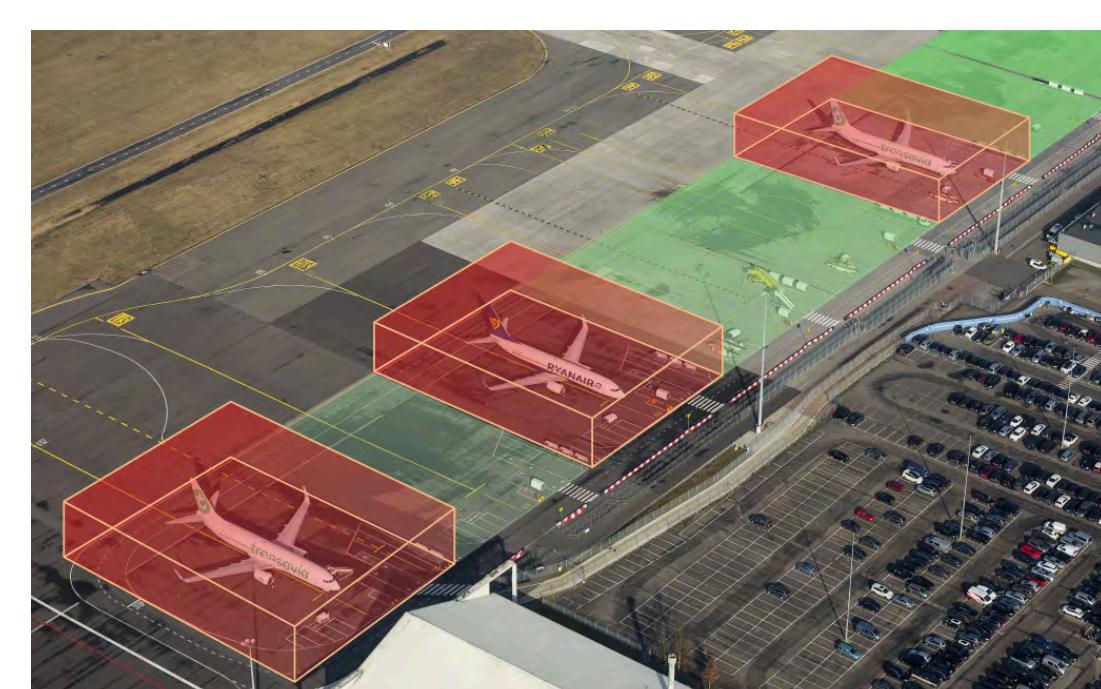
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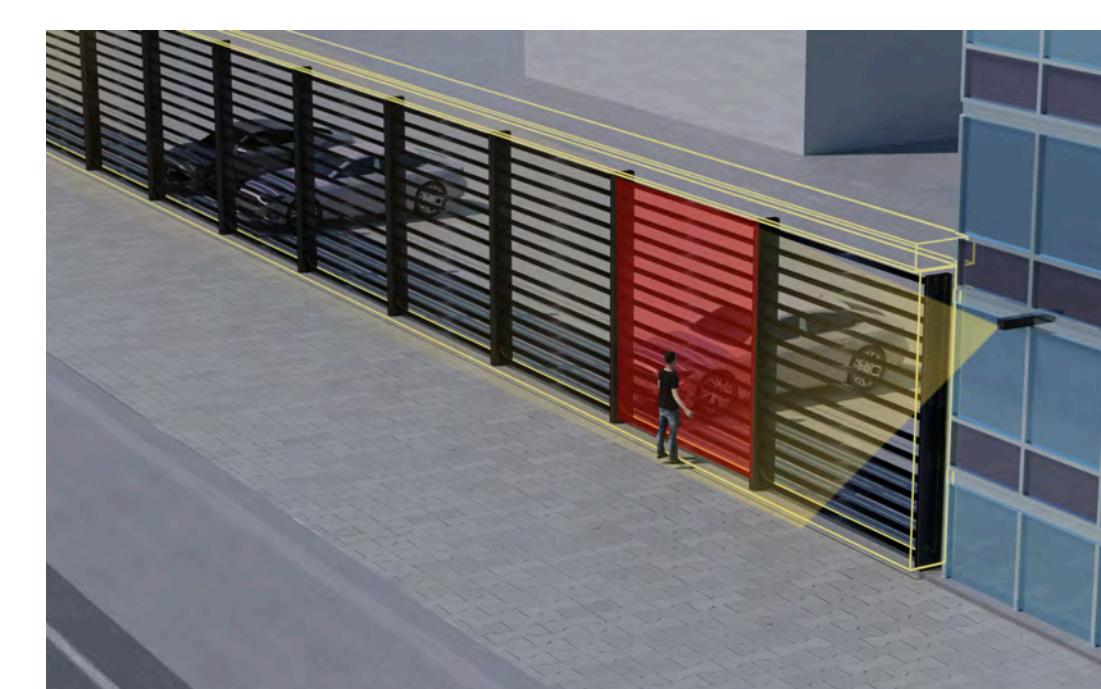
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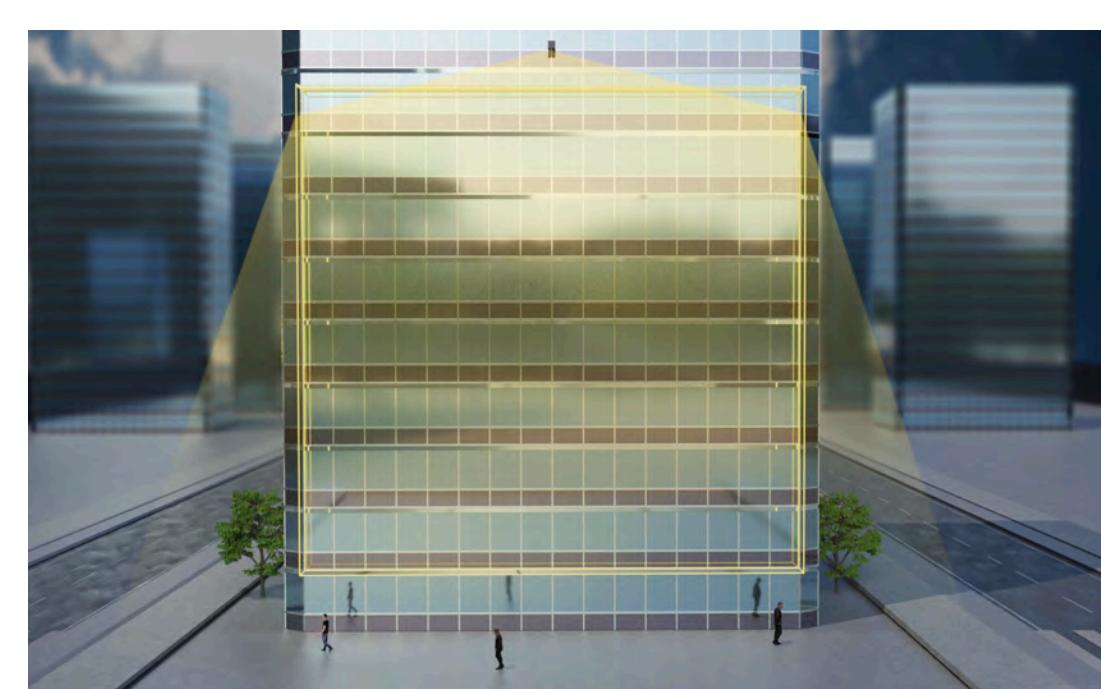
Facade Surveillance

INDUSTRIES

▶ Aviation

▶ Energy / Power plants

▶ Buildings / Residential

▶ Military / Government

▶ Corporate security

▶ Other

CONTACT US NOW

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