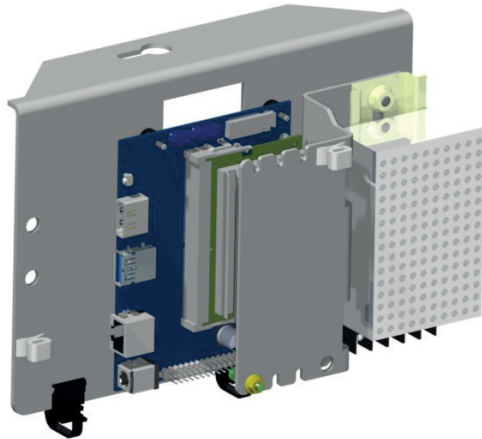


Display technology

FUNKWERK SENSOR MODULE



Funkwerk Sensor Module Retrofit Kit

The basic version of the Funkwerk sensor module offers the possibility of upgrading existing displays and adding further functionalities. The module can be mounted inside existing displays.

ORDER NO. / DESIGNATION

362.20000-0020 Funkwerk sensor module retrofit kit

TECHNICAL DATA

GENERAL PROPERTIES

Application	Extension for existing displays
Functions	<ul style="list-style-type: none"> People counting and recognition Energy cost reduction through display switch-off Light sensor Protection against vandalism
Range of application	Designed for use in closed units
Temperature range	-20 °C to + 60 °C (operation)
Supply voltage	230 V/50 Hz
Cooling	Heat sink attached to cooling plate
Power consumption	<ul style="list-style-type: none"> Typical approx 5 W Max. approx 10 W
Mounting type	4 x M3 mounting points
Approval	CE (EMC and electrical safety) according EU Directive 2014/35/EU
Weight	approx 0.5 kg

COMPUTER BOARD

Processor	NVIDIA Jetson Nano, ARM-A57-Processor with 4 x 1.43 GHz
Graphics unit	NVIDIA Maxwell™ 128-core with 921 MHz
Memory	4 GB LPDDR4-RAM, 16 GB eMMC
Connections	<ul style="list-style-type: none"> Gigabit Ethernet/LAN RJ45 USB 3.0 port (1x) USB-C port (1x) 40-pin extension (GPIOs, I²C, SPI, UART) MIPI CSI-2 (2x) 4K-capable HDMI
Dimensions	100 mm x 80 mm x 29 mm

TECHNICAL DATA

GLASS BREAKAGE SENSOR

Sensor-IC	SPH0645LM4H-B
Signal to noise ratio (SNR)	65 dB (A)
Connections	I ² S
Dimensions	16.5 mm x 12.7 mm

SOFTWARE FUNCTIONS

Configuration	Sensor module is configured via the web interface
Data transmission	Sensor data via MQTT
