



AI SWISSTRAFFIC CAMERA AI



Embedded processing 8MP H.265, Progressive scan, HDR Anti-vandalism
IP66, IP67, IK10

Functions for video analysis

- Detection and tracking of objects
- Classification of categories into 17 types of objects
- Detection scale of 320x544 pixels
- Minimum size of the required object for detection - 32x32 pixels in detection scale

Functions for traffic analysis and visualization

- Processing and evaluation of trajectories
- Measurement of speed and dwell time
- Customizable OpenAPI - REST/UDP/JSON format
- Available applications: Traffic, Parking, Retail, Security



STORAGE, STARTUP, AND OPERATING CONDITIONS

STORAGE TEMPERATURE:	-30 °C to 60 °C (-22 °F ~ 140 °F)
STORAGE HUMIDITY:	10% to 90% ((OHNE KONDENSATION))
STARTUP TEMPERATURE:	0 °C to 60 °C (32°F~ 140 °F)
OPERATING TEMPERATURE (IR OFF):	-10 °C to 60 °C (-14 °F~ 140 °F)
OPERATING TEMPERATURE (IR ON):	-20 °C to 40 °C (-4 °F ~ 104 °F)
OPERATING HUMIDITY:	20 % to 55%



CAMERA - GENERAL

- VISION PROCESSING UNIT: Intel® Movidius™ MA2485 VPU
- RAM: 4GB
- POWER SUPPLY: PoE (IEEE 802.3at)/DC 12V/ AC 24V
- POWER CONSUMPTION: 17 W Ø
- IMAGE SENSOR: Progressive scan 1/1.8
- IMAGE ELEMENTS: 3840 (H) x 2160 (V) 8MP
- MINIMUM ILLUMINATION: 0.09 Lux @F1.5 (Color), 0.03 Lux @F1.5 (B/W), 0 Lux (IR ON)
- HDR/WDR: HDR
- REGULATION: CE, FCC Class A
- DIMENSIONS: 84x77x293.7 MM
- WEIGHT: ~1.6 KG
- MICRO SD: Support for 1x Micro-SD, SD/ SDHC/SDXC UHS-I, 32 GB to 256 GB, Class 10
- LED INDICATOR: 3 light-emitting diodes: Power, Status, Ethernet

LENS

- DAY/NIGHT: Yes (with removable IR filter)
- LENS TYPE: Motorized
- FOCAL LENGTH: 4.46 ~ 11MM±5%
- AUTO-IRIS: F/1.5 ~ F/4.3±10%
- HORIZONTAL FOV: 40.03°~110.9°±5%
- IMAGE FORMAT: 16:9
- MAX IR DISTANCE. IR Distance (radius): 30m (98.42ft)

VIDEO CAPTURE PARAMETERS

- VIDEO COMPRESSION: H.265, H.264, MJPEG
- FRAME RATE: Up to 30 frames per second at 3840 x 2160

NETWORK AND CONNECTIVITY

- INTERFACE: 10/100 Ethernet
- PROTOCOLS: TCP, UDP, DHCP, DDNS, HTTP, HTTPS, NTP, RTSP
- ETHERNET: RJ-45
- AUDIO: Line in/out
- DIGITAL I/O: 1 input (dry contact), 2 outputs

SWISSTRAFFIC Group

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