

TraffiCapture



TC-108

MEDIRLAB powered by HEXIUM

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TrafficCapture

TRAFFICCAPTURE-108 TECHNICAL DATASHEET

IMAGING

FRAME RATE	50 frames/s
SENSOR TYPE	1920 x 1080 pixels; global shutter CMOS
IMAGE FORMAT	JPEG
VIDEO FORMAT	H.264; H.265
IMAGE PROCESSING	On-board robust embedded system

OPTICS

OPTICAL ZOOM	36x motorized
FIELD OF VIEW (HORIZONTAL)	2.0°...52.0°
IR FILTER	on/off (motorized)
NIGHT FILTER	manual
IRIS	auto

ILLUMINATION

LED TYPE	IR 850nm (1.1ms)
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RANGES

DISTANCE RANGE	min.: 15m; max.: 1700m (with cooperative target)
SPEED RANGE	±10km/h ... ±240km/h
AI-BASED SOFTWARE FILTERING	yes
SPEED MEASURING ACCURACY (STATIONARY)	±3km/h
SPEED MEASURING ACCURACY (MOVING)	±5km/h
LICENSE PLATE IS READABLE	>220m (daytime); >150m (nighttime)

LASER

WAVELENGTH	905 nm
LASER BEAM DIVERGENCE	0.17°
EYE SAFETY CLASSIFICATION	Class 1m (IEC 60825-1:2014)
ACQUISITION TIME OF THE SPEED	0.3 – 0.5 s
PULSE FIRING RATE	max.: 3200 Hz

COMMUNICATION

TYPES	WLAN (Tablet), LAN, USB
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POSITION TECHNOLOGY

TYPES	MULTI-BAND GNSS HIGH PRECISION RECEIVER
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DISPLAY

TYPE	INDUSTRIAL TABLET
SIZE	10.1 inch (diagonal)
RESOLUTION	1920 x 1200 pixels
TOUCH SCREEN INPUT METHOD	Finger or Capacitive Pen

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ELECTRICAL PARAMETERS

POWER SUPPLY	9 – 18V DC
CONSUMPTION	25 W (typical)
REMOVABLE MAIN BATTERY	14.8 V; 99 Wh
BUILT-IN SUBSIDIARY BATTERY	7.4 V; 2.6 Ah
OPERATING TIME	4 hours (typical), 8 hours (with spare battery)

MECHANICAL PARAMETERS

DIMENSIONS	300mm x 250mm x 230mm
OPERATING TEMPERATURE (without tablet)	-10°C ... +40°C
STORAGE TEMPERATURE	-20°C ... +50°C
IP RATING	IP54
WEIGHT (with battery)	7 kg

ACCESSORIES

TRIPOD
SEAT ADAPTER BRACKET (optional)
CARRYING CASE
CIGARETTA LIGHTER ADAPTER
GPS EXTERNAL ANTENNA
230 VAC CHARGER AND POWER SUPPLY UNIT
CABLE SET
SPARE BATTERY (optional)
CLEANING KIT

ORDERING INFORMATION

Portable	TraffiCapture Portable	HX-TC108-PTL
Spare battery	Li-ion (14.8 V, 99 Wh)	HX-TC108-BAT
Seat Adapter	Seat Adapter Bracket	HX-TC108-SAB

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Design and specifications are subject to change without notice.
TC-108: R-2.8EN; 2024.04.16.

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IMAGES

CARRYING CASE



DEVICE



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TRIPOD



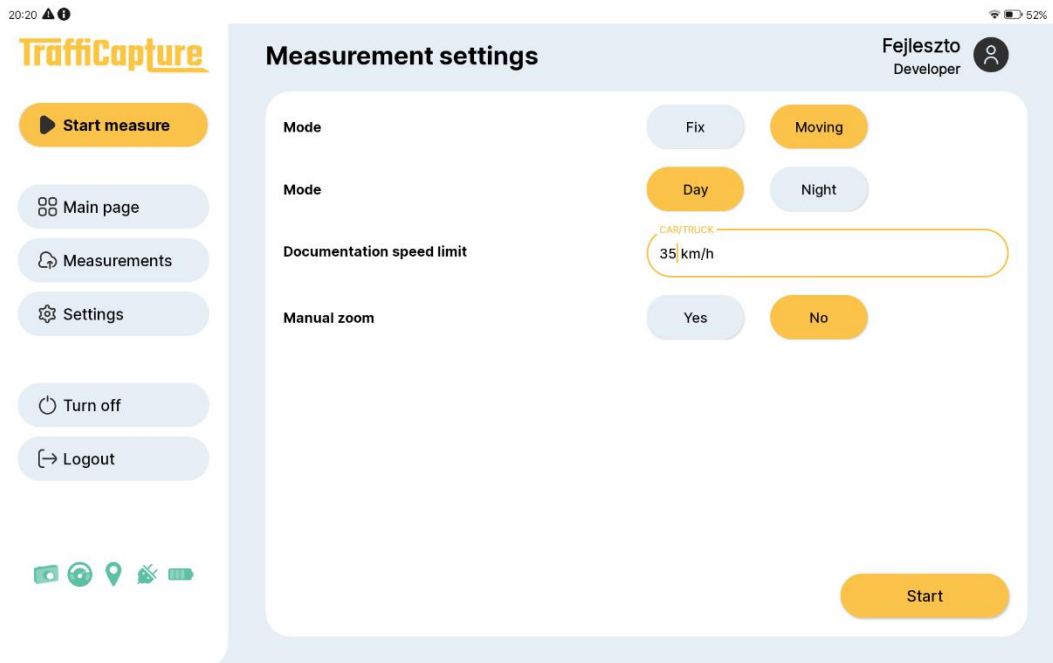
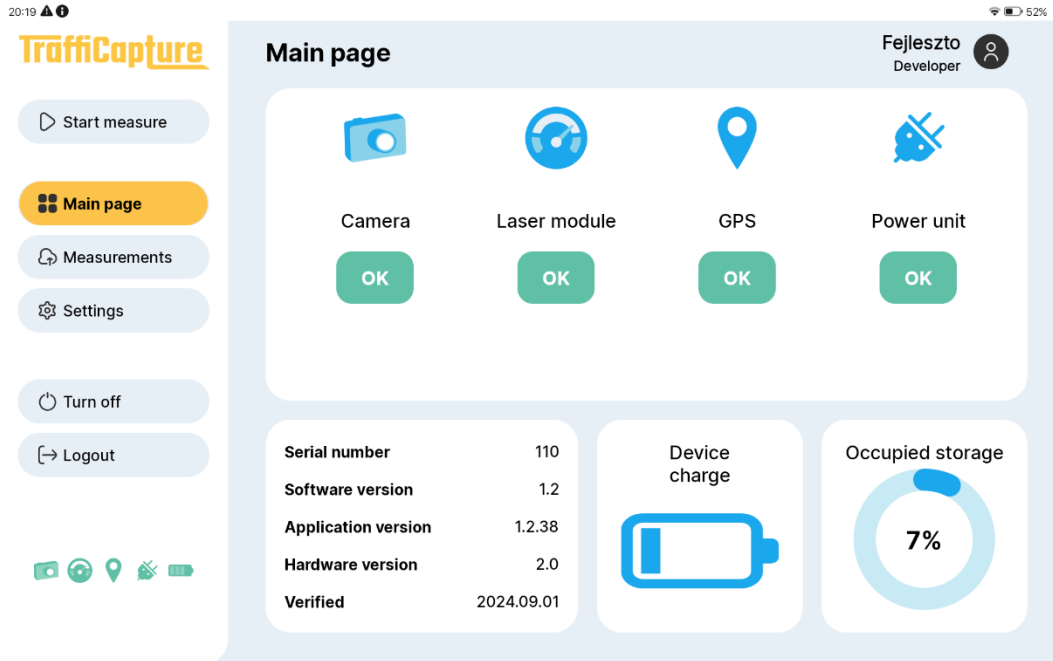
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SEAT ADAPTER BRACKET




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SOFTWARE SCREENSHOTS



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11:36 2024-03-25 11:36:30 Tav.: 282 m Seb.: - km/h



Speed limit: 50 km/h

Manual zoom: - +

30 50 70 90 110 130

Measured speed

15 km/h

Distance 280 m

Documentation speed limit 50 km/h


Automatic measure

Manual start

Stop

63%

11:35 2024-03-25 11:35:50 Tav.: 36 m Seb.: 12 km/h



Speed limit: 50 km/h

Manual zoom: - +

30 50 70 90 110 130

Measured speed

11 km/h

Distance 35 m

Documentation speed limit 50 km/h

Automatic measure

Manual stop

63%

TraffiCapture

Record ID: 500 Record date: 2024-04-09 14:41:02 TraffiCapture (SN:TC111)
GPS: 47.520744 N 19.093908 E Distance: 517 m Approaching
Location: Budapest, Amerikai út Vehicle category: CAR CAR: 30 km/h TRUCK: 38 km/h
Measured speed: 52 km/h



Record ID: 569 Record date: 2024-04-11 11:20:06 TraffiCapture (SN:TC111)
GPS: 47.520723 N 19.093897 E Distance: 145 m Approaching
Carrier vehicle speed: 0 km/h CAR: 30 km/h TRUCK: 30 km/h
Measured speed: 41 km/h

