



New generation
all-in-one design
traffic enforcement
systems

FEATURES

- High precision laser-based vehicle speed detection
- Recording traffic regulation violations (with PreTrigger technology)
- Automatic and manual operation
- Tripod mountable
- Front-seat-mount bracket for police patrol and pursuit cars
- True Speed Measurement Filter (TSMF)
- Target Position Detection (TPD)
- Integrated automatic licence plate recognition (ALPR)
- Embedded Solution for Driver Identification (ESDI)
- Automatic Seat Belt Detection (ASBD)
- Day and night mode
- Up to 1600m speed measurement distance
- Up to 160m daytime, 100m nighttime image capturing
- Precalibrated camera parameters
- Embedded WLAN, GPS, 3G units
- DMC position sensor
- High resolution touchscreen
- Up to 4 hours operation time

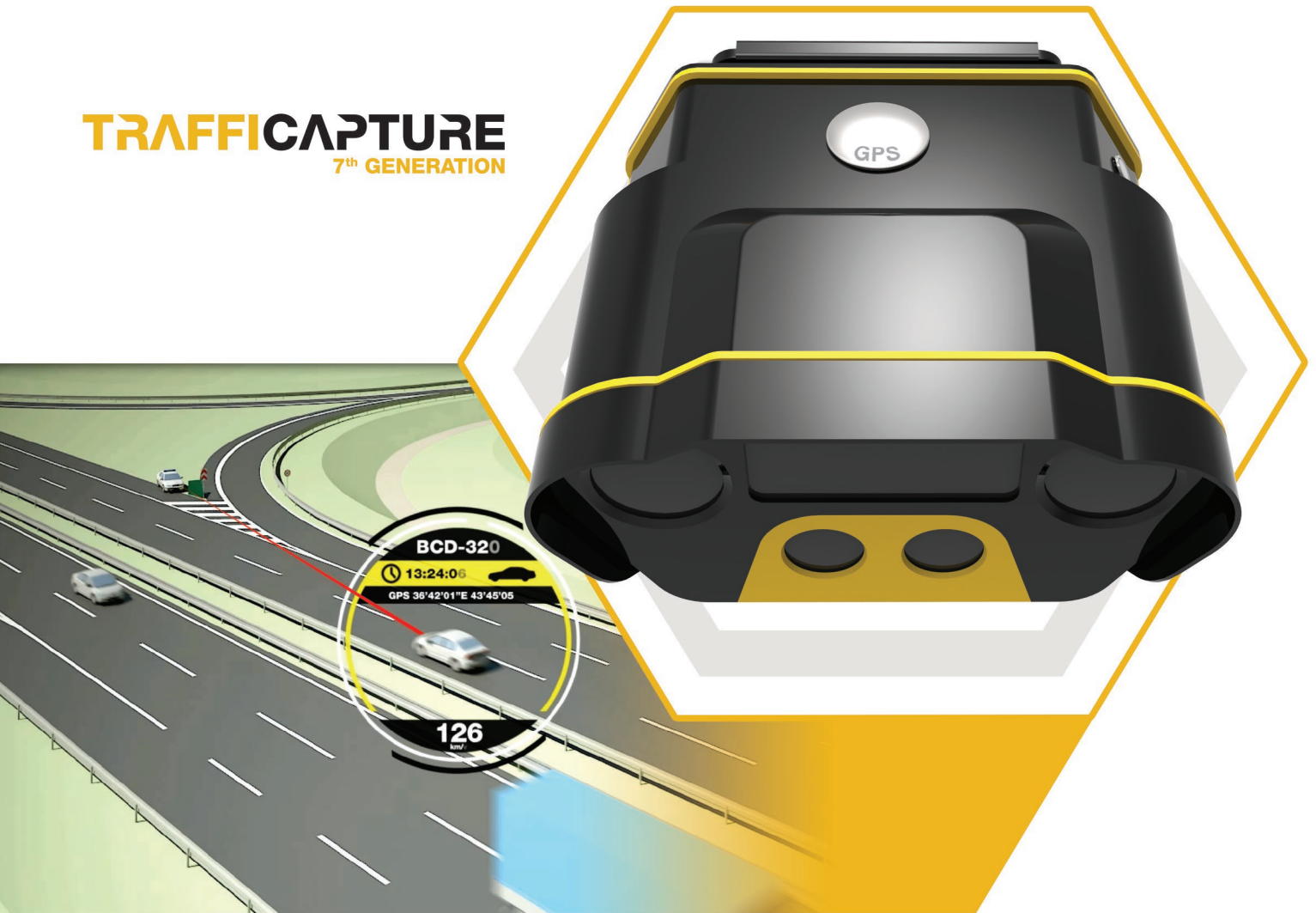
BENEFITS

- Ultraportable
- Sunlight Readable TFT Display
- Operation in moving car
- Detection of the measured vehicle's position by TPD
- No moving parts
- Hot swapping battery
- User-friendly graphical user interface
- Easy and quick setup
- One button measuring distance settings
- Light and durable case
- Police reference

Not all of the features mentioned above are available in every type.

TRAFFICAPTURE

7th GENERATION



TYPICAL APPLICATIONS

- Speed enforcement
- Section control
- Law enforcement
- Red light enforcement
- Toll collection
- Journey time measurement
- Traffic jam / congestion monitoring
- Bus lane control
- Stolen vehicle detection
- Emergency detection
- Traffic statistics
- Data transfer to/from ITS applications

AUTOMATIC SPEED MEASUREMENTS

CAMERA OK

SPEED

81 km/h

DISTANCE: 100.1 m

EVENT NUMBER: 1086

DISTANCE INTERVAL: 90-110 m

SPEED LIMIT: 68 km/h

DISTANCE:

SPEED:

40 50 60 70 80 90 **100** 110 120 130 140 150 160 **END OF MEAS.**

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GPS

26.0 GB

TECHNICAL DATA

IMAGING

| | |
|----------------------|---|
| FRAME RATE | 5 frames/s ... 25 frames/s |
| SENSOR TYPE | 1280 x 720 pixels; progressive scan CCD; Y/C |
| OUTPUT IMAGE FORMAT | JPEG; MJPEG |
| OVERVIEW SENSOR TYPE | 1920 x 1440 pixels; progressive scan CCD; Y/C |
| IMAGE PROCESSING | On-board robust embedded system |

OPTICS

| | |
|---------------------|--------------------------------|
| OPTICAL ZOOM | 30x motorized; 3,3x motorized |
| FIELD OF VIEW (HOR) | 2.2° ... 62.9°; 8.1° ... 26.3° |
| IR FILTER | on/off (motorized) |
| POLARIZING FILTER | motorized |
| IRIS | auto / manual |

ILLUMINATION

| | |
|----------|----------|
| LED TYPE | IR 850nm |
|----------|----------|

RANGES

| | |
|---|--|
| MEASURING OF THE DISTANCE | min.: 15m; max.: 1600m (with cooperative target) |
| MEASURING SPEED | ±320km/h |
| SOFTWARE FILTER OF TRUE MEASURING SPEED | yes |
| DISTANCE / SPEED MEASURING ACCURACY | ±0,02m / ±2km/h |
| DISTANCE OF THE IMAGE CAPTURING | 160m (daytime); 100m (nighttime) |

LASER

| | |
|-------------------------------|-----------------------------|
| WAVELENGTH | 905nm |
| LASER BEAM DIVERGENCE | 0.17° |
| EYE SAFETY CLASSIFICATION | Class 1m (IEC 60825-1:2001) |
| ACQUISITION TIME OF THE SPEED | 0.25s |
| PULSE FIRING RATE | max.: 5000Hz |

COMMUNICATION

| | |
|-------|--------------------|
| TYPES | WLAN, 3G, Ethernet |
|-------|--------------------|

POSITION TECHNOLOGY

| | |
|-------|---|
| TYPES | GPS and optionally MDC (Magnetic Digital Compass) |
|-------|---|

DISPLAY (Portable)

| | |
|---------------------------|---|
| TYPE | SUNLIGHT READABLE TFT LCD DISPLAY (with anti-glare coating) |
| SIZE | 7.0 inch (diagonal) |
| RESOLUTION | 800 x 480 pixels |
| TOUCH SCREEN INPUT METHOD | Finger or Capacitive Pen |
| LUMINANCE | > 1000cd/m ² |

ELECTRICAL PARAMETERS

| | |
|-----------------------------|------------------------|
| POWER SUPPLY | 9 – 32V DC |
| CONSUMPTION | max.: 50W (2.6A @ 19V) |
| REMOVABLE MAIN BATTERY | 14.8V; 10.7Ah |
| BUILT-IN SUBSIDIARY BATTERY | 11,1V; 1.2 Ah |
| OPERATING TIME | 4 hours (typical) |

MECHANICAL PARAMETERS

| | |
|-----------------------|-----------------------|
| DIMENSIONS | 450mm x 240mm x 140mm |
| OPERATING TEMPERATURE | -25°C ... +60°C |
| STORAGE TEMPERATURE | -30°C ... +60°C |
| IP RATING | IP65 |
| WEIGHT | 6kg |

ACCESSORIES

TRIPOD
SEAT ADAPTER BRACKET
CARRYING CASE
CIGARETTE LIGHTER ADAPTER
GPS AND 3G EXTERNAL ANTENNA
AC SUPPLY ADAPTER
CABLE SET
SPARE BATTERY (optional)
CLEANING KIT

ORDERING INFORMATION

Portable
Portable with MDC
Spare battery

TraffiCapture Portable
TraffiCapture Portable MDC
Li-ion (14.8V, 10.7Ah)

HX-TC107-PTL
HX-TC107-PTL/MDC
HX-TC107-BAT

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