



Special features TraffiPhot III-SR

- Universal use for rear and frontal photography
- Facility to select a defined perfect photographic position
- 800 frames photo recording capacity
- Effective automatic aperture control
- Possibility of setting two locking times per day and for seven days a week
- Integrated traffic counter for statistics, optional storage of the traffic data on a PC Card
- Available with digital camera

TraffiPhot III-SR

Extremely versatile - Red light monitoring with speed measurement



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TraffiPhot III-SR stands guard 24 hours a day, 7 days a week, 365 days a year. The unit records all vehicles crossing the stop line during the red phase of a traffic light. The system is connected to the control unit of the traffic light and is activated during the red light time.

Triggering of the unit and speed measurement are achieved by means of one, two or three pairs of induction loops, depending on the number of traffic lanes. The loops are embedded in the surface of the road near the stop line.

The unit has a speed measuring range of 1 to 400 km/h (1 to 250 mph). The speed limit which will trigger the camera can be set in 1 km/h or 1 mph steps. When a vehicle crosses the induction loops during the red phase, the first picture is taken instantly, or after a preset delay time has elapsed. A second picture is taken automatically as proof that the vehicle has actually crossed the stop line. The interval be-



tween the pictures can be set within a range from 1/2 to 10 seconds. Alternatively, the operator may determine the position of the car on the second photograph.

Data for prosecution

All details for the prosecution are contained in a data line printed on the upper margin of the photograph.

- distance between the leading edges of the loops
- time and date of the offence
- a code number
- the amber and red start time of the traffic light
- a photo number with indication for the 1st and 2nd picture (if applicable, also on additional pictures of a line of vehicles or multiaxled vehicles)
- the speed measured
- the speed limit of the site (if the speed measurement function is activated) and the indication of the traffic lane.

Automatic speed measurement during the amber and green phase

TraffiPhot III-SR unit accuracy for speed measurement is generally within the following tolerances

- 3 km/h up to 100 km/h
- 3 % above 100 km/h or
- 2 mph up to 62 mph
- 3 % above 62 mph

The measured speed is compared with the preset speed limit of the measured site. When the speed of the vehicle exceeds the speed limit, the camera is triggered. On the photograph the vehicle measured is shown with clearly legible licence plate and all data. As an option the unit can be programmed to take a second picture of a speed violation.

If an identification of the driver is desired, the system can be installed so that it takes frontal photographs of the vehicle and driver.

Special Feature

TraffiPhot III-SR can be equipped with our wet film camera, the legendary ROBOT MotorRecorder, as well as with our digital camera, the innovative ROBOT SmartCamera. Devices that were delivered recently are compatible in both directions without the need to carry out excessive hardware modifications.

ROBOT SmartCamera

- Has been designed especially for the needs of traffic photography.
- Consists of a modular system based on a complete standard PC.
- Offers a storage capacity of several thousand exposures depending on the size of the built-in hard disc.
- A license plate reader software can be integrated including all options of providing black lists in order to identify wanted license numbers.
- In the course of processing data online connections are possible as well as the additional stora-

ge of data on a media like MOD or WORM.

ROBOT MotorRecorder

- Can be equipped with a standard film cartridge or with the ROBOT 30 m film magazine which has an outstanding capacity of up to 800 exposures.
- The MultiScript System with its automatic aperture control and its possibility to represent graphic symbols realizes the display of Arabic or Chinese.

Legendary Reliability - Easy maintenance

The entire inner housing can be easily removed from the outer housing without unplugging any cables.



Evaluation

The TraffiDesk system with its high performance scanner and direct interfaces is available for the evaluation and processing of data concerning the different proceedings instituted against infringements of traffic laws.

Press information confirms effectiveness of the TraffiPhot III-SR system

[...]
A report released recently by the US Federal Highway Administration shows that red light running violations decreased by as much as 60% at intersections where cameras automatically enforce the law.

[...]
'These results indicate once again that innovation and new technologies, such as cameras used to prevent red light running, can help improve safety,' US Transportation Secretary Rodney E. Slater said.

[...]
Maryland's public education and awareness programs which include TRAFFIPAX TraffiPhot III-SR systems at selected intersections, resulted in a decrease in accidents of up to 50%.

