



The **ROBOT TraffiStar SR520** is a new digital red light enforcement camera system combining proven ROBOT plug & play design with latest available camera technology. It was specially developed for use in traffic safety applications.

The **ROBOT TraffiStar SR520** utilizes a progressive CCD front end with a chip of 36mm x 24mm in size, a powerful PC and flash memory storage in a compact housing combination as camera component (ROBOT C 11). A real-time operating system forms the basis for the operating software. An integrated monitor allows for convenient setting of parameters and immediate control of image quality. Data can be retrieved via USB port or Ethernet port.

Full Documentation

The measuring data that is received via the serial interface such as the time, the date, the location, the time into the red, the sequence number and the picture number are stored together with the image in BIFF format (Basic Image File Format). The data can be encrypted and sealed to protect it against tampering.

The **ROBOT TraffiStar SR520** covers up to 4 lanes by using a dual loop per lane. It provides the full evidence of two pictures per red light offence and can be also used as combined red light/speed unit. Optionally the TraffiStar SR 520 is available with ROBOT 640*480 sequence camera for covering the entire offence in motion. A jpeg image with 16 single frames can be stored along with the high resolution images.

Easy to Use

In addition to the user-friendly GUI which is available in several languages the **TraffiStar SR520** can be controlled fully from remote in case of available infrastructure. ROBOT TraffiNet can control up to 100 **TraffiStar SR520** within a network.

Technical Data

- Camera Resolution: 10.7 megapixel (4004x2672), active pixel
- Dynamics: 14 Bit A/D converter
- Shutter: Electronic, 1/50 sec. to 1/10,000 sec.
- Lens connection: ROBOT mount, alternative: C - mount
- Integrated Computer: Mobile Pentium, equivalent 2GHz
256MB (optionally up to 1024MB RAM)
Optional USB hard disk up to 250 GByte
Ethernet 10/100 Mbits/sec.
- Connections: Serial (RS232)
2xUSB (2.0)
- Display of camera: 4-line LCD display
- Integrated Monitor: 7" Digital TFT LCD
Resolution: 640 x 480
Contrast: 1:300
8 button soft key or touch screen technology
GUI can be translated into any language
On site viewing of offence images
- Flash unit: 300 Ws, separately adjustable
- Detector: dual loop per lane, 4 lanes in total
Alternative: Interfacing to non invasive multi lane detection unit
- Dimensions/weight: 275 x 260 x 426 mm
Approx. 20 kg
Plug & play technology, no cabling
- Operating voltage: 230 V/50 Hz (115V/60Hz optionally)
- Optionally: ROBOT sequence camera resolution 640*480, 5 Hz



Example: TraffiStar SR520 GUI, zooming mode