



SPEED ENFORCEMENT CAMERA



Tajeran Jade Abrisham Company as a designer and producer of intelligent transport systems in Iran has started its activities since 2008.

This company produces ALPR systems such as speed enforcement, red light camera, and electronic toll collection.

The **TRAFFICA** Series camera platform was designed specifically for Traffic Enforcement, period.

Some solutions make use of off-the-shelf cameras from machine vision.

Change driver behavior with speed enforcement



Performance

- 17 FPS image capturing: true concurrent violation capturing
- Auto light control: perfect results even when conditions change
- Violator marking; unambiguous identification of the violator
- Plug-and-play; only one cable required
- Auto light settings; no expertise required



Engine

Main engine of camera is based on an integrated AI architecture enabling performs on harsh/ambient illuminations. Also make system be rapidly customizable for any license plate format, character or font.



Customizability

The camera delivers ALPR services multi-platform GUI (Windows/Linux/Mac/Android). Also, system can be implemented via web-API based SDK or GPIO (hardware triggering).



Quality

Image quality is guaranteed by high resolution gray-level / color cameras. Image enhancement are also applied to achieve the best quality on challenging illumination conditions.



TRAFFICA SPEED ENFORCEMENT CAMERA

Lane detected	2 (~9 m)
Max vehicle speed	240 km/h
Working distance	17-25 m
Speed meter	Radar&mono cam & stereo vision
Detection	99%
Recognition	98.5%
engine	ALPR TRAFFICA engine on board
Classification	Optional
Vehicle model / color	Optional
Cameras	2.3 MP color and gray level (5 MP optional)
Compression	JPEG, JPEG2000, PNG, ZSTD
illuminator	14 power LEDs. 2 Infrared 850 nm
lenses	C-MOUNT
IP protection	IP65
Ethernet	Gigabyte ethernet 10/100/1000
Storage	SSD 128 GB - 1TB
GPS/LTE	Optional
Web server	Web server on board
Tcp/ip server	Configuration and monitoring through tcp/ip protocol (sdk provided)
Date and hour	Persian/English
Trigger	Free Run / Software / Hardware
Operating storage temperature	From -10 to + 60 C
Operating humidity	UP TO 80%
dimensions	540*230*220 MM
Power supply voltage	24V-220 V
weight	6.5 Kg
Calibration	Auto/manual



Fixed speed enforcement systems

Real Time Detection of Infringements with OCR on Board

Latest technology of AI such as deep neural networks and elastic methods are used in all production to achieve:

- A. high accuracy of detection/recognition
- B. reliability in different weather or light illuminations
- C. customizability of license plate format (language/style/font)
- D. extra data including model and color of vehicle



Ease-of-use

- Shortest installation time in the market: within 2 hours
- Simplest installation in the market; adjust the camera view to the desired area and leave
- Self-alignment; the system will detect and adjust its settings for the traffic flow automatically
- Remote configuration; speed limit settings can be made remotely via the web based user interface

Spesification

- Light weight; mount to existing street furniture or low-cost stock poles, no construction permits
- Installation area; choose the best view, easiest location
- Minimal road closures
- Video traffic light detection, no wired interfaces, no traffic light controller hassle
- Relocation; if accident hotspots shift, Traffica - Series shift with it