RED LIGHT CAMERA

TRAFFICA
SMART CAMERA FOR ANPR & ITS

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.

TRAFFICA solutions that work for smart cities of future.

THE NEW CONCEPT TO SAFEGUARD THE INTERSECTIONS

TRAFFICA Smart camera allows the red-light status identification
through image analysis.

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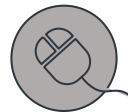## flexible solutions for
Urban management needs

TRAFFICA SOLUTIONS:

• RED LIGHT ENFORCEMENT

• VEHICLE TRACKING

• TRAFFIC MONITORING

• CONTROL TRAFFIC CENTER

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.

Automatic Number Plate Recognition Solution for ITS

TRAFFICA RED LIGHT CAMERA	
Lane detected	2 (~9 m)
Shutter	Global shutter
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
Calibrasion	Auto/manual

Real Time Detection of Infringements with OCR on Board

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- ❖ **Application:**
- ✓ **Enforcement RED LIGHT**
- ✓ **Traffic monitoring**
- ✓ **Security**

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

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