



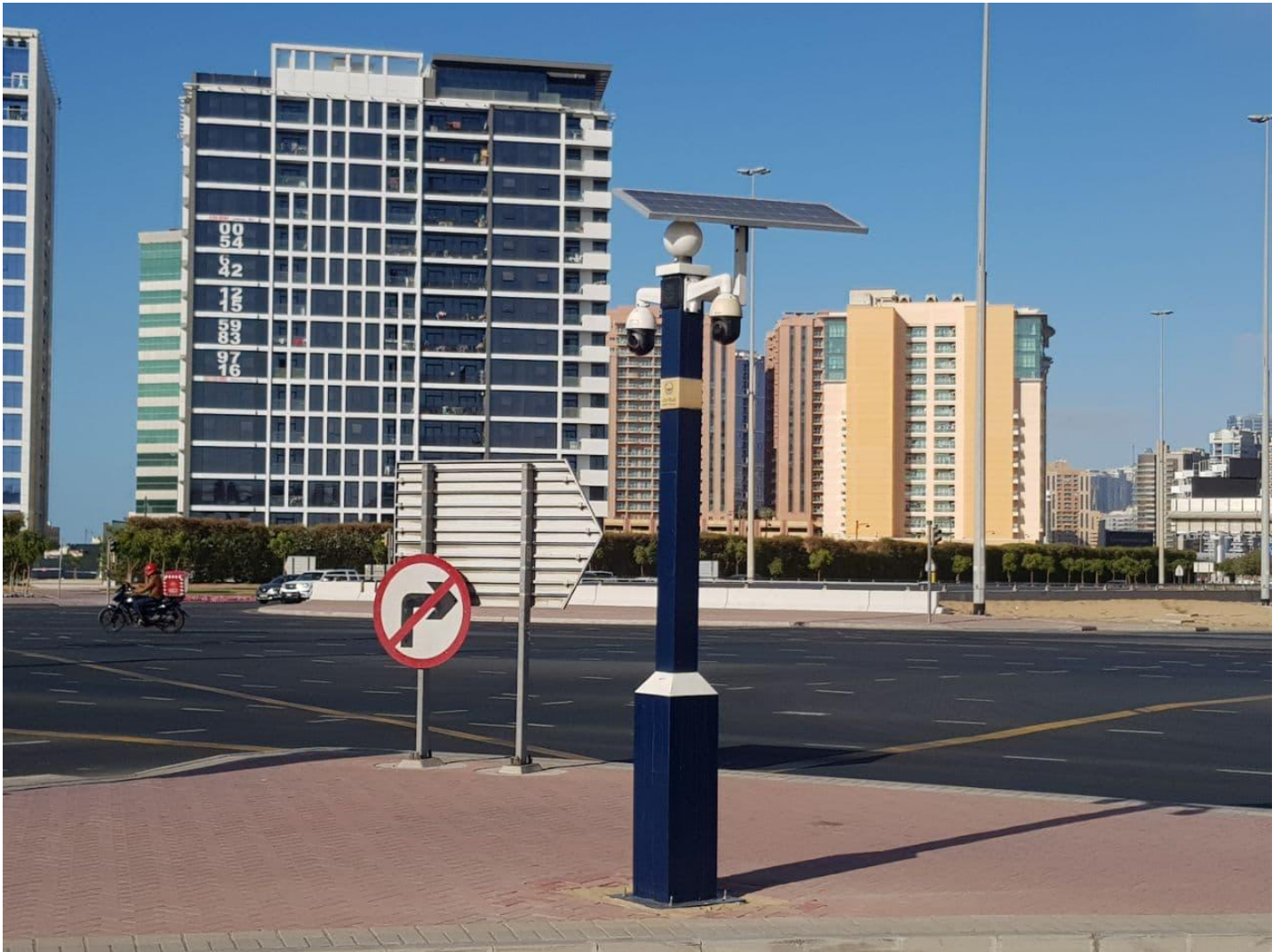
Design & Production

MTP Traffic sign



Solar Traffic Sign

MTP Bicycle Crossing Violation Detector



MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255

P.O.Box: 9401, Emirates Industrial City – Sharjah - UAE

Email: mtpfzc@gmail.com

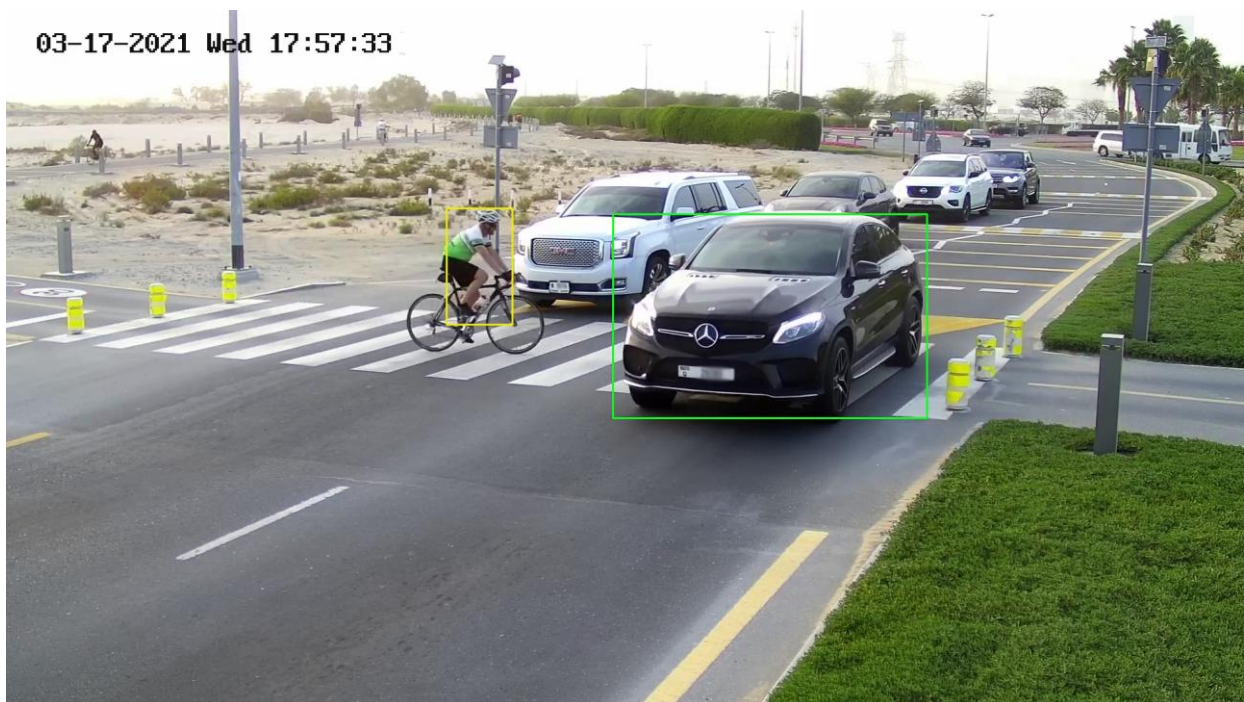
www.UATmtp.com

Description

Bicycle crossing means a specified part of a road where Bicycle have right of way to cross.

For making the safety of every individuals and being aware between the drivers and people at the road side, we successfully make the best detector system which is the “Bicycle Crossing Violation Detector”

Bicycle Crossing area on the road must be safe for Bicycle and car should stop behind of line before reaching to Bicycle crossing area if there are individuals attempt to cross the road.



Picture 1: Sample of Bicycle Crossing Violation on Double line

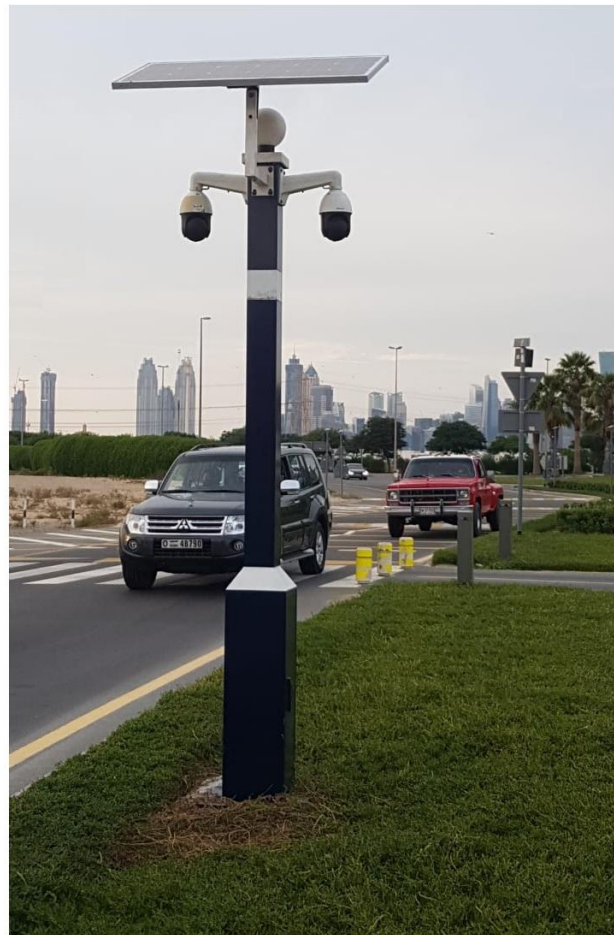
MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401, Emirates Industrial City - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

But as we observed some of drivers don't stop behind of line and continue their movement even Bicycle is walking on zebra area and it is very dangerous for Bicycle and some time cause accident.

For reducing of this violation, we produced intelligent violation detector to help the management of traffic safety especially on zebra area.

Bicycle Crossing Violation Detector install beside of crossing area and detect violator cars who don't stop behind of line and continues his movement even Bicycle is passing.



Picture 2: MTP Bicycle Crossing Violation Detector

MTP Traffic sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401, Emirates Industrial City – Sharjah - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

Violation Area

As you can see as the picture 1, there are three areas:

- Zebra Area
- Yellow Mark
- Stop Line

Zebra area is specific place for Bicycle crossing and always monitored by camera to finding Bicycle. So, the duty of our camera is to continuously monitoring the Zebra area which means the cars that was passing the road while there is Bicycle.

Yellow Mark and stop line always monitored by camera to finding vehicles. This area can be adjusted depend of inquire.

If any vehicle passing stop line or yellow mark while Bicycle is crossing on zebra area, Radar will activate and take video and photo of violator vehicle.

ANPR will process vehicle plate and extract plate number and send it directly to Police Control Room along with violation video/picture and details of date, place, and some other information.

For example, picture 3 is showing that the silver car is continuously passing in the zebra area while the guy is walking in the zebra area.

MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401, Emirates Industrial City - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

In this case our system will detect the violated car and our camera will take picture and send it directly to Police Control Room.



Picture 3: sample of Bicycle Crossing Violation on Duple line

Violation Pictures and Data

Violation detector takes 2 pictures and one video and XML data:

- One picture for exactly violation time,
- Second picture for a few moments after violation (its time is depends to client request).
- And one video which covers a few seconds before violation time and a few second after violation time to be as a reference for police in case of he want to check violation time to make a fine for the drivers who violated traffic in the Bicycle crossing area (its time is depends to client request).
- XML Data has information of Site Code, Location Place, date, Time, Radar ID, Plate Number, Warning Light timing Passed as Police required setup.

MTP Traffic sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401, Emirates Industrial City – Sharjah - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

Our system can save violation images and videos on USB flash memory or can send as online to police station via secured internet.



Picture 5: sample of Bicycle Crossing Violation on double line

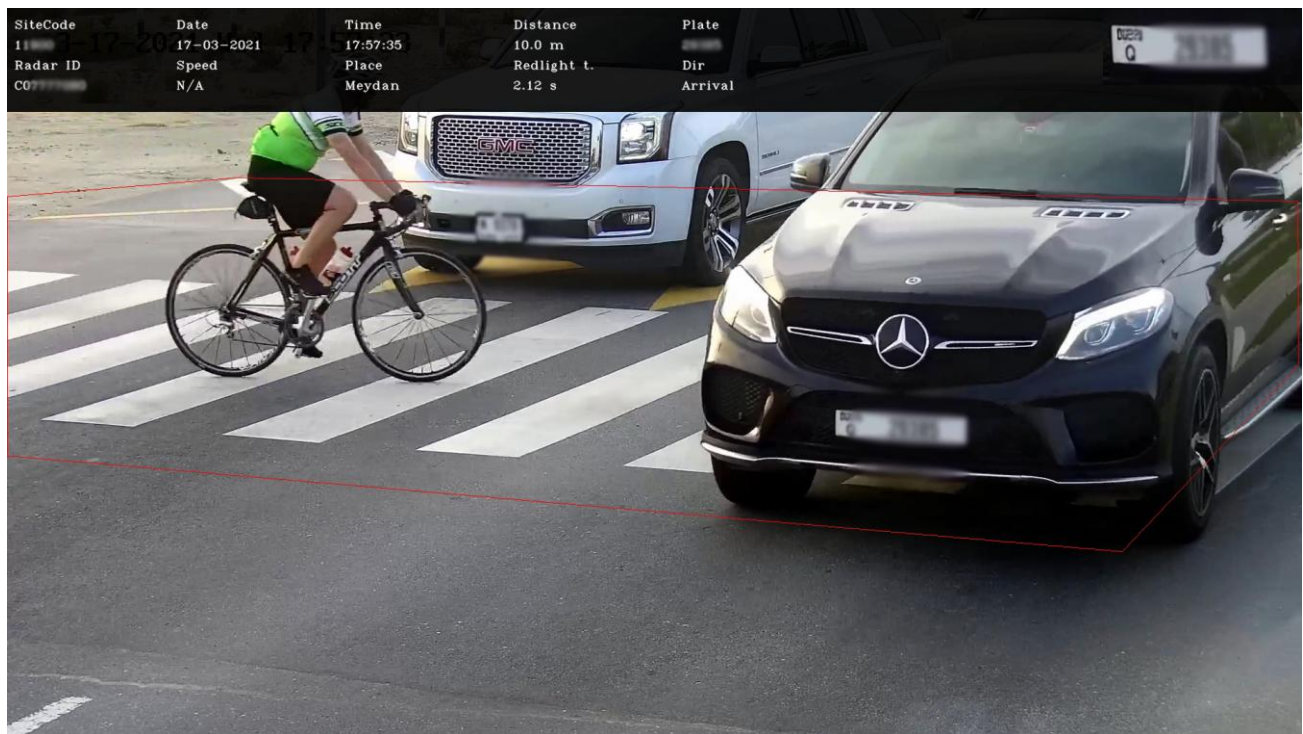
MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401, Emirates Industrial City - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

ANPR

Our system has ANPR (Automatic Number Plate Reader) as optional.

With ANPR, it reads registered plate number of violator car and sends it along with pictures and video to police control room.



Picture 6: sample of Bicycle Crossing Violation on Double line

PTZ Camera Specification

- . Power Supply 12 volt DC,18w(Max 7 watt for IR)
- . Full HD resolution
- . Focal length 4.8mm to 120mm
- . Tilt speed 0.1°/s to 80°/s
- . Shutter Speed: 1/3 to 1/100,000s
- . Operation conditions: -30°C to +60°C (-22 °F to +140°F)
- . Weight 2kg

MTP Traffic sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401,Emirates Industrial City – Sharjah - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

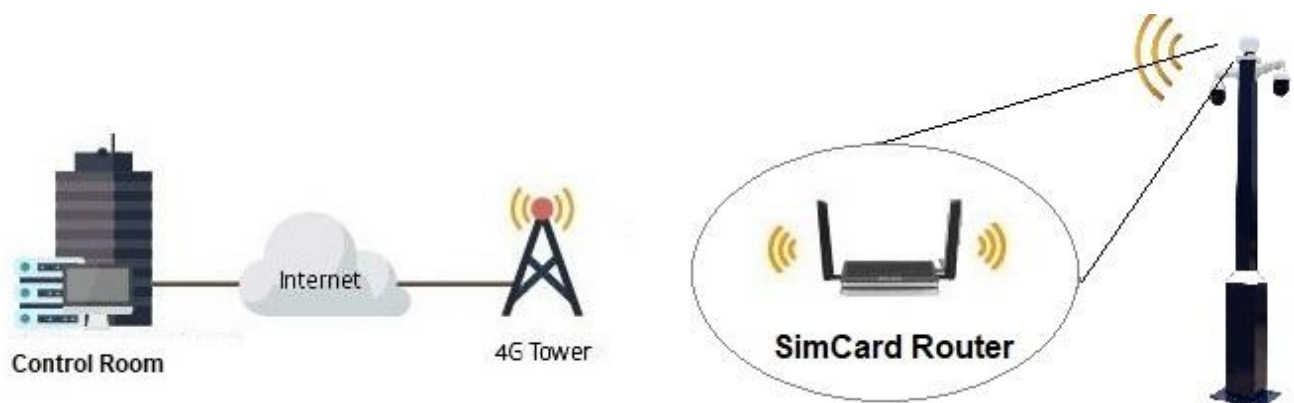
Router

After detection violation, camera will record two images and one video of violator vehicle and save it in miniPC.

These images and video along with its data like as date, hours and place can send to traffic control section of police office via one Router which is embedded in our over Bicycle Crossing Violation Detector. This Router has one Simcard which provided with police. It can make secure connection between our violation detector and police office.

Another option is available with our system and it is WIFI collection data. Means police officer can collect all data and images and videos with stop beside of camera for a few minutes, so data and images and video will transfer from our violation detector to police laptop with WIFI connection. One more option is available also for collection data and it is USB memory.

MiniPC can save all of violation data and images and video on USB memory, so police officer only have to visit camera every day or couples of days and remove USB memory and put new USB memory.



Picture 7: Data transferring with Simcard Router

MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
 P.O.Box: 9401, Emirates Industrial City - UAE
 Email: mtpfzc@gmail.com
www.UATmtp.com

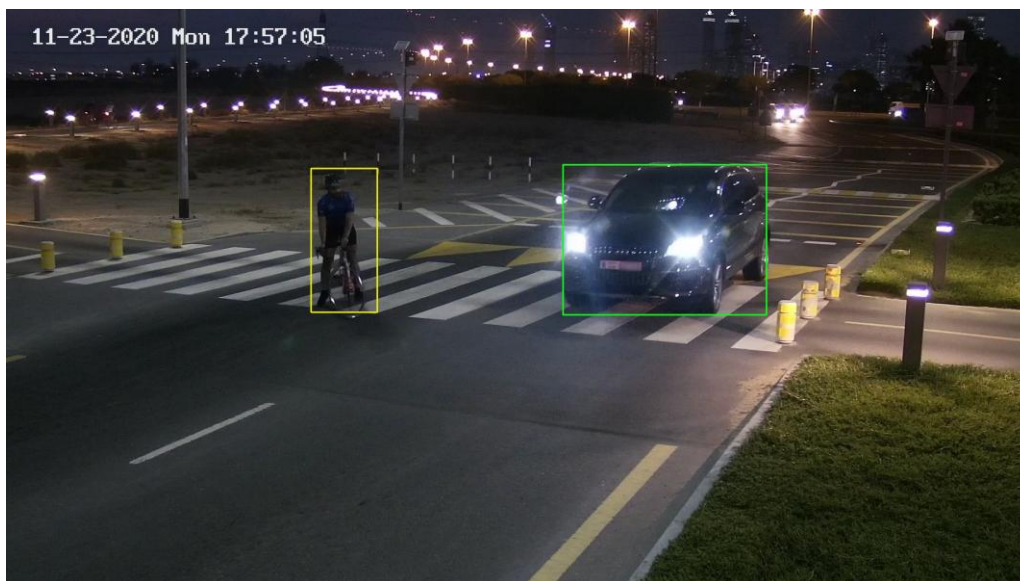
So violation data and images and videos in our violation detector can be collect with three following ways:

- **Collection data and images and videos by USB memory,**
- **Collection data and images and videos by WIFI system,**
- **Collection data and images and videos by Simcard internet,**



Picture 8: Data Collection ways, USB memory, WIFI system, Simcard internet

We developed our system to cove Four Lanes, so now it can detects all violations on four lanes with only single radar.



Picture 10: sample of Bicycle Crossing Violation on Two Lanes

MTP Traffic sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
P.O.Box: 9401, Emirates Industrial City – Sharjah - UAE
Email: mtpfzc@gmail.com
www.UATmtp.com

Product is included:

- Two Camera:
- mini PC
- MTP Software
- Router
- MTP ANPR
- Warning Light
- Solar Panel
- Battery
- Decorative Post

It can be installed beside of Bicycle crossing area, and set up software to be compatible with specific place as customer desired.



Picture 11: MTP Bicycle Crossing Violation Detector

MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255

P.O.Box: 9401, Emirates Industrial City - UAE

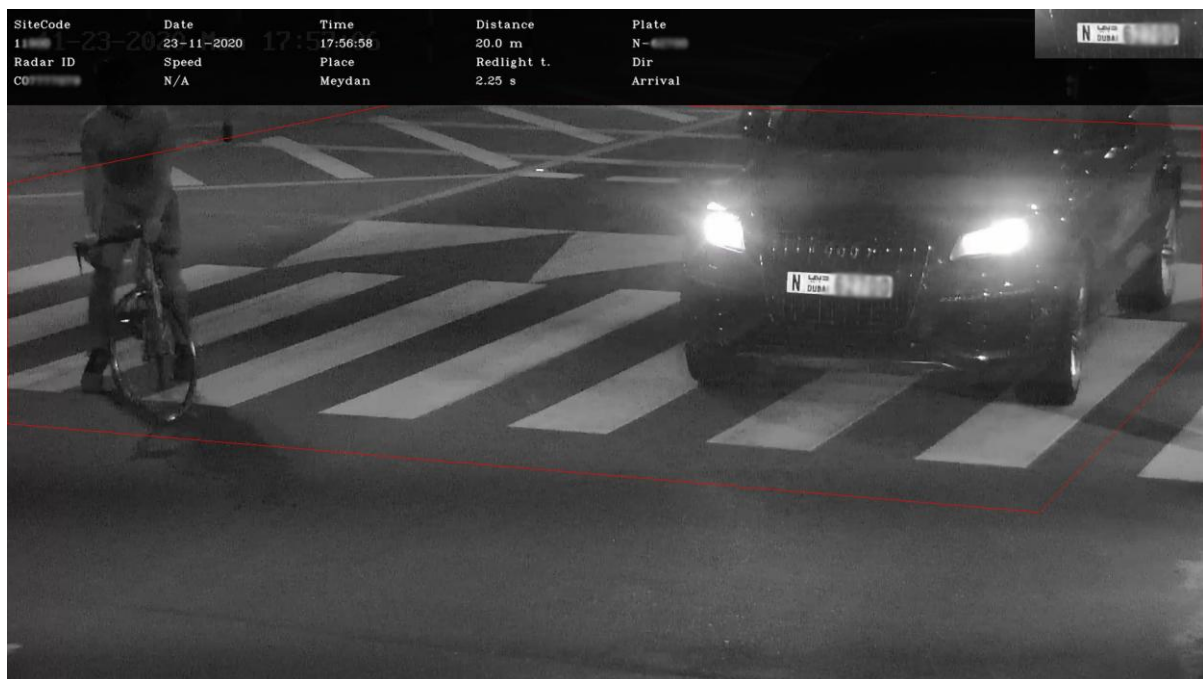
Email: mtpfzc@gmail.com

www.UATmtp.com

Status Bar

It is included:

- Site Code,
- Radar ID,
- Date and Time,
- Location Place,
- Plate Number,
- Red Warning Light Time Passed,
- Picture of Plate,



Picture 12: Status Bar

Red Warning Light Passed time is new technology which activate violation detector after specified timing (as Police required).

With this intelligent system, drivers have time to do reaction and stop behind of Bicycle zebra area line.

MTP Traffic sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255

P.O.Box: 9401, Emirates Industrial City – Sharjah - UAE

Email: mtpfzc@gmail.com

www.UATmtp.com

Technical Specification

Mini PC	Recording full time video
Camera PTZ 2 pcs	Power Supply 12 Volt DC, 18w(Max 7watt for IR) Full HD resolution Focal length 4.8mm to 120mm Tilt speed 0.1°/s to 80°/s Shutter Speed: 1/3 to 1/100,000s Operation conditions: -30°C to +60°C (-22 °F to +140°F) Weight 2kg
Software	MTP Bicycle Crossing Violation Detector Software Image Processing Detecting 2 lines car passing Detecting Bicycle Detecting Violation Saving plate number
ANPR	MTP Automatic Number Plate Reader
Router	Transferring violation Data with Police Sim Card
Solar Panel	100 Watt
Charge Controller	Controlling Battery Charging and voltage
Battery	12 volt - 100 AH
Warning Light	Indicator with 13cm diameter LED Light

MTP Traffic Sign

Tel: +971 6 55 2 99 15 Fax: +971 6 55 2 99 36 Mob: +971 56 78 56 255
 P.O.Box: 9401, Emirates Industrial City - UAE
 Email: mtpfzc@gmail.com
www.UATmtp.com