

THE **SMART EYE**

BY **TRAFFIC TECH (GULF)**

Traffic Tech is proud to introduce the first portable surveillance system in the Middle East that can be deployed anywhere anytime for live video monitoring purposes.

The **SMART EYE** is a portable, automated IP based pan-tilt-zoom or fixed normal or megapixel camera system for displaying Live Video and/or Time-Laps Still Images for remote or local application.

Solar powered trailers and wireless communications for maximum portability and mobility. Fixed version on 6–10 meter poles is available.

The **SMART EYE** can be equipped with DVR up to 4 channels for local recording. Remote recording is applicable in the control center as well.

Pan, Tilt & Zoom functions and recording can be controlled from a control center using wireless communications, or locally at the trailer.

This system can be used by construction contractors to monitor daily project progress, by transportation authorities or police to monitor real time traffic conditions as well as incident verification, and by the enforcement officials for other security/surveillance application.

SMART EYE set-up on the roadway can be accomplished in less than 1 hour. The camera can be raised to appropriate viewing levels by way of a heavy duty retractable tower system.

The **SMART EYE** can be deployed in a stand -alone mode, as part of a point-to-point system, or can be part of a larger Intelligent Transportation System (ITS).



FEATURES

- Solar powered trailers for maximum portability and mobility
- Integrates Video over IP technology and state-of-the-art wireless communication LAN/WAN technologies
- Integrated System: All components work as one system
- Displays Live Video or Time-Laps Still Images
- Reordering capabilities remotely or locally
- Allows remote pan-tilt-zoom control of the camera
- Stand alone system or be integrated with other ITS systems
- One person can set-up the SmartEye in less than 1 hour
- Web Interface Management Software



SPECIFICATIONS

▶ Video Camera

Movable – PTZ IP Camera

- High Performance Day/Night, MPEG4 Encoding
- Zoom options 18x, 26x & 36x optical
- Horizontal Resolution 470 TVL up to 540 TVL
- 360° continuous pan, 18° above horizon
- Motion Detection

Fixed Camera

- High Performance Day/Night, 540 TVL resolution
- Motion Detection
- Outdoor housing with heater/blower and sunshield
- Lens: 1/3-inch, 5 to 50 mm, DC-iris, CS-mount, F1.4-360

▶ Wireless Transmission System

- Ruggedized Base Station in the control center
- Main Tower to accommodate the wireless system of at least 18 m height
- Ruggedized Subscriber Station for the SmartEye with 23dBi panel antenna
- Wired Ethernet 10/100Base-TX Ethernet (RJ-45)

▶ Trailer & Tower

- Provide storage and deployment of all components of the SmartEye
- The tower is retractable to 5 meters, extending to at least 10 meters
- Electro-mechanical or mechanical system to erect the tower.
- When erected, the tower incorporates a lock mechanism to ensure vertical stability
- Provides mounting of radio communication devices on top of the tower



MAJOR COMPONENTS

- Portable Trailer with Solar Power System
- Wireless LAN Radio (for remote applications)
- Trailer Mounted Retractable Tower or Pole (for fixed version)
- Day/Night (PTZ) IP Dome Camera
- Optional Day/Night Fixed Cameras (up to 4)
- Optional DVR (up to 4 channels)
- Optional Megapixel Camera
- SmartCam Management Software to control the system remotely for Live & Time-Laps applications

Through the use of different control programs and accessories / devices, SmartEye can be used for various applications such as:

1. Work zone traffic management systems
2. Traffic studies
3. Incident management
4. Visual verification of on site weather conditions
5. Law-enforcement & security applications
6. Construction sites

▶ DVR/Encoder

- Ruggedized for extreme environmental conditions
- 4 channel DVR/Encoder, Dual Streaming
- High-quality MPEG-4, M-JPEG, JPEG
- Multicast & internet streaming
- Alarm inputs & relay output
- Video Data Rate 9.6 Kbps - 6 Mbps
- Configuration via web browser, built-in web server interfaces
- Records locally on automotive-grade internal hard drive up to 80 GB
- Ethernet Dual port 10/100 Base-T, autosensing, half/full duplex, RJ45

▶ Solar Power System

- 240 or 360 watts
- The solar array is connected to an Energy Management System
- Maintenance-free Batteries
- 600 – 1000 watt DC to AC Inverter, 50Hz, 230 VAC
- Provides continuous uninterrupted power to the specified equipment

▶ SmartCam Management Software

- CCTV virtual matrix management
- Allows communication with multiple SmartEye systems
- Displays 16 video images on one screen
- PTZ control
- Time-Laps Archiving
- Instant high definition snapshots
- Streaming Time-Laps Movies



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