Automatic Video Tracker

Description

Automatic Video Tracker (AVT) is a proprietary product of DELOPT. It is meant to be used with PTZ camera based platform for security and surveillance applications. AVT accepts composite video signal as input from a surveillance camera and provides the location output of the chosen object within the Field of View of the camera. The object of interest is required to be chosen by the operator by enclosing it within the tracking window. AVT can be used to track static or moving objects from a static or moving camera. By interfacing AVT with a PTZ camera, it is possible to continuously follow a moving object.

Specifications

- **Video Input**: 2 Channels, Type: Analog Composite Video 1V p-p, PAL/NTSC
  - 1 selected video is used for tracking
- **Video Output**: 2 Channels, Type: Analog Composite Video 1Vp-p, PAL/NTSC
  - Same tracked video on both the outputs
- **No. of Targets for tracking**: Single
- **Tracking Algorithm**: Centroid / Edge / Correlation
- **Tracking Rate**: Up to 16 pixels/frame
- ** Accuracy**: ± 1 pixel
- **Target Contrast**: 8% with respect to background
- **Window size**: Maximum: (72 x 56) pixels
  - Minimum: (16 x 12) pixels
- **Tracker update rate**: 25 / 30 Hz (Video Frame Rate)
- **Interface**: RS422
- **Tracker Control**: Through PC Based GUI
- **Coast Mode**: 5 Secs (Programmable)
- **Card Size**: 80mm x 80mm
- **Weight**: 45gms (Without Enclosure)
- **Operating Temperature**: -20°C to +65°C
- **Power Input**: 12V DC, 500mA
- **Connector**: One 36 pin connector

Applications

- Long Range Surveillance
- Real-Time Target Tracking of Ground, Surface, Airborne targets
- Weapon System Evaluation
- Trajectory Analysis
- Law Enforcement

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