

PureActiv® Scene Analyzer™ III

EMBEDDED INTELLIGENT VIDEO EDGE APPLIANCE



TURNING CAMERAS INTO INTELLIGENT VIDEO SENSORS

For maximum effectiveness and situational response, your security system must identify much more than when and where an intrusion or threat occurs. Using patent pending computer vision, the Scene Analyzer™ transforms basic video cameras into intelligent vision sensors. Its stand-alone design enables it to read, evaluate, record and react to digital and/or analog video feeds for target detection and classification—without user intervention. Embedded software stabilizes the video image to remove camera and vibration effects, then isolates threats from nuisance objects, such as shadows and tree movements. When connected to a PTZ camera, it can also perform smart tour functions, whereby it can control the camera to stop at various scenes and analyze that scene for different objects and object behaviors. Once objects of interest are detected—based on user-specified criteria such as size, shape, direction and speed—the PureActiv® Scene Analyzer is able to track objects automatically using any nearby PTZ camera. Additionally it has the ability to store multiple days of video and alarms via its internal storage. This intelligent perimeter device is environmentally ruggedized to allow placement at remote sites and facilities.

FLEXIBILITY AND INCREASED INTEGRATION

The Scene Analyzer can operate as a stand-alone remote sensor, detecting, classifying and reporting threats or it can seamlessly integrate into an existing enterprise surveillance solution, such as an NVR based systems or with the PureActiv Wide Area Surveillance System. In addition to state-of-the-art video surveillance, the Scene Analyzer offers many integrated peripheral capabilities. Use of an optional external module allows integration of external devices such as fence detection systems, gates, locks, lights and local alarms. These devices can be used as input logic for smart threat detection or can be automatically activated by the PureActiv Scene Analyzer based on the identification of a threat.

BENEFITS

- Intelligent perimeter object detection, classification and tracking
- Geolocate targets (Lat, Lon, Elev)
- PTZ camera tours with video analytics
- Camera agnostic - Enables you to choose the best camera for the job
- Remote recording and multi-day storage of video and alarm information
- Stand alone operation or as part of an enterprise surveillance system
- Point-and-click PTZ camera control
- More affordable video scaling
- More effective network bandwidth management
- Instant activation of integrated peripherals
- Fewer nuisance alarms
- Better protection for your facilities, assets and personnel



SCENE ANALYZER — SCALABLE ANALYTICS

When integrated into your enterprise surveillance system, or in a stand alone operation, the Scene Analyzer enables you to add video analytics to a system in a much more scalable and affordable manner. Off-loading image processing allows your system and network to accommodate a higher number of inputs helping you save money. The PureActiv Scene Analyzer also removes the need to stream video all the time and therefore requires less network bandwidth and less storage.

SPECIFICATIONS

Dimensions Enclosure: 3.25" (H) x 8.0" (W) x 9.5" (L)

Power Volts: +12VDC
Power: < 50 WATTS

Video Resolutions: CIF / 2CIF / 4CIF / ½ D1 / D1
Frame Rates: up to 30 FPS

Digital Video (IP) Inputs: 2 ch @ 4 CIF or
8 ch @ CIF (MJPEG, MPEG4, H.264)

Digital Video (IP) Outputs: 2 ch @ 4 CIF or
8 ch @ CIF (MJPEG, MPEG4, H.264)

Storage: Solid State Drive (SSD)

Audio Mic-in / Speaker-out (future use)

Inputs / Outputs 3 X RS232 Serial Port
1 X RS232/422/485 Serial Port
Digital Discrete Inputs (opt)
Digital Discrete Outputs (opt)
3 X Ethernet 10/100/1000 Mbps, RJ45

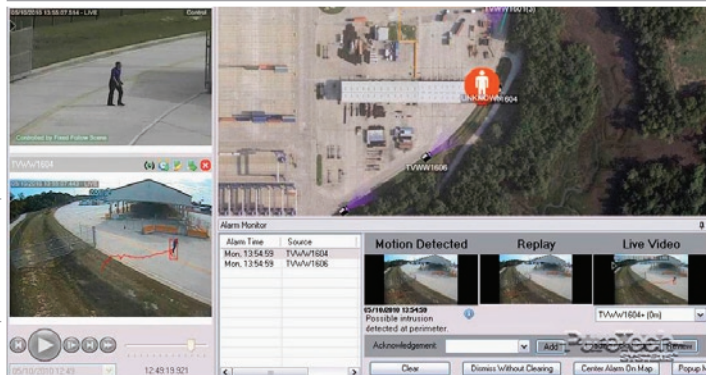
Environmental -20° C to +65° C (Ambient)
90% Humidity / Non-condensing
CE/FCC Class A (U.S.)



INTELLIGENT VIDEO ANALYTICS



LONG RANGE DETECTION



TARGET LOCATION, CLASSIFICATION & PTZ TRACKING

PureTech
SYSTEMS™

[DETECT] [ANALYZE] [RESPOND]

PureTech Systems
1950 West Rose Garden Lane
Suite 140
Phoenix, AZ 85027

T + 1.602.424.9842
F + 1.602.424.9847
www.puretechsystems.com