

PureActiv® Scene Analyzer™

EMBEDDED INTELLIGENT VIDEO EDGE DEVICE



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 advanced digital signal processing (DSP) and patent pending video analytics, 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 motion of interest—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 with the nearest PTZ camera. In addition, this intelligent perimeter device is environmentally ruggedized to allow direct placement at remote sites and facilities.

FLEXIBILITY AND INCREASED INTEGRATION

The Scene Analyzer can operate as a stand-alone remote sensor, detecting and reporting threats or it can seamlessly integrate into an existing enterprise surveillance solution, such as DVR 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. Onboard I/O 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. Other extensions include two-way audio for remote annunciation/communication and automated security policy response.

BENEFITS

- Intelligent perimeter object detection and tracking
- PTZ camera tours with video analytics
- 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
- Available in a circuit card assembly (CCA) form factor
- More affordable video scaling
- More effective bandwidth management
- Instant activation of integrated peripherals
- Wall or pole mount
- Fewer nuisance alarms
- Better protection for your facilities, assets and personnel



NEW THREATS.
NEW THINKING.™

SCENE ANALYZER SAVES TIME, MONEY AND BANDWIDTH

When integrated into your enterprise surveillance system, or in a stand alone operation, the Scene Analyzer lets the system scale video much more affordably. Offloading image processing allows your network to receive 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	CCA 3" x 5" x .5" Enclosure: 2.125" (H) x 5.00" (W) x 7.25" (L)
Power	Nom. Volts: +12VDC (Recommended) Operational Range: +6VDC to +15VDC Total Continuous Power: < 5 WATTS
Video	Resolutions: CIF/2CIF/4CIF 2 Ch. Video Input: NTSC / PAL, 1Vp-p 1 Ch. Video Output: NTSC / PAL Loop-Through (CCA) Compression: MJPEG, MPEG4 Frame Rate: Up to 30 fps TCP/IP Digital Video Input Capable On Board Storage: Type I Compact Flash
Inputs / Outputs	TVS protected RS232 Serial Port TVS protected RS422/485 Serial Port SPDT Relay Outputs (Qty 2) Digital Discrete Inputs (Qty 2) Digital Discrete Outputs (Qty 2) Audio In/Out (1 stereo or 2 mono) Ethernet 10/100, RJ45
Environmental	-40° C to +65° C 95% Humidity / Non-condensing FCC Class A (U.S.), ICES-003 (Canada) Compliant
3rd Party Network	DSP: TI TMS320DM642-720 Texas Instruments TMS320DM642 digital media processor



INTELLIGENT VIDEO ANALYTICS



POINT & CLICK CAMERA CONTROL



VIDEO & ALARM MANAGEMENT



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