SceneTracker ™
Advanced Visual Analysis

DVTel's SceneTracker technology revolutionizes camera monitoring by providing a real-world, real-time perspective of multiple camera images in a single integrated view. SceneTracker is a component of the Adaptive Visualization Technology (AVT) video software suite which has been integrated into the award-winning Latitude Network Video Management System (NVMS)™.

SceneTracker is the first commercially available solution of its kind and was developed to improve real-time situational awareness where the monitoring of fragmented camera views on multiple screens produced a lack of threat correlation and resulted in poor decision making at critical times. While traditional video management systems typically provide multiplexed or sequential views, or at best use a megapixel or panoramic camera, SceneTracker "stitches" video to provide a complete outlook of an area and is not limited to a single camera view. The SceneTracker application presents the user with a view of the area as if they were standing right there. We call this surveillance from the human point of view.

Even when camera coverage isn't contiguous, fragmented video images can be seamlessly oriented permitting easy navigation within fixed structures such as elevator banks, stairwells and parking garages. SceneTracker maximizes the current infrastructure of cameras by adding a new view from the existing cameras without the need to change camera locations. New cameras can be positioned to optimize SceneTracker effectiveness.

Like all DVTel software products, SceneTracker utilizes off-the-shelf, open standards networking and computer hardware. There is no need for "super" computers or even dual CPU servers to calibrate or "stitch" multiple 4CIF video signals from an IP camera or video encoder. Additionally, the SceneTracker software is available as a standalone application where a few analog cameras can be attached to a standard video capture card.

SceneTracker provides a calibration wizard to simplify the "stitching" process. This wizard differs from similar systems as no calibration "chess board" is required to be set in the field of view. The SceneTracker wizard utilizes existing objects in the video to process the calibration and is done directly from the video stream. DVTel also offers professional services to calibrate video if required.

DVTel's Advanced Visualization Technology (AVT) products have been optimized to run on the same open standards IT technology that supports the Latitude NVMS and all of the Latitude components including the complete line of video encoders and IP Cameras.

SceneTracker is marking a new trail in video monitoring by shortening the learning curve, improving reaction time, enhancing operator productivity and reducing corporate loss.

- Uses existing analog and IP cameras and domes
- Calls up scenes from Latitude NVMS maps, alarms, and events and works seamlessly with the DVTel Keyboard
- Does not require dedicated equipment
- SceneSpotter:
  - Pan/Tilt/Zoom with hover capabilities
  - Track objects of interest
  - Main screen view keep spatial orientation while zooming on your suspect
- Client-based Latitude NVMS viewing application
- Operates as standalone system or on a Latitude NVMS client machine
- Up to eight cameras per single "stitched" view
- Supports multiple monitor layout:
  - Uses a second or third monitor for display at a client workstation
- Cut operational costs by:
  - Reducing operational manpower and operator errors
  - Allowing user a better understanding of camera orientation and the relationship between cameras
  - Increasing reaction time
  - Decreasing training cycles for operators
- Increase automation performance by:
  - Providing continuous tracking across cameras
  - Offering peripheral vision
  - Implementing spatial content analysis

ACCESS CONTROL & SECURITY SYSTEMS NEW PRODUCT OF THE YEAR 2005

DVTEL®
THE FREEDOM TO RUN YOUR BUSINESS

AVT Adaptive Visualization Technology Product

SceneTracker™
Advanced Visual Analysis

Client and Server Minimum Requirements

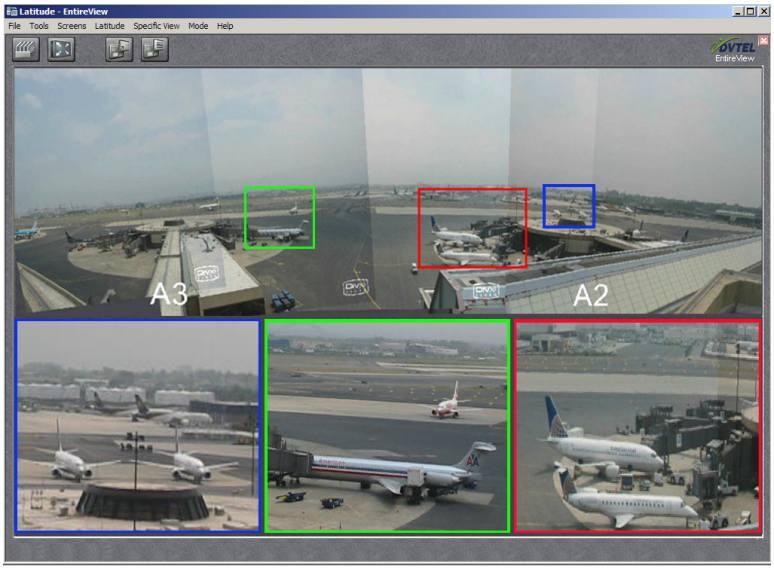
Server Minimum Requirements	
CPU	Intel® Pentium® Processor, 3.2GHz, 1MB/800MHz FSB
Memory	1GB, DDR333 SDRAM
Hard Drive	40GB (7200RPM) dedicated drive for the Windows® Operating System and Latitude Software (not for video storage) NTFS formatted
Network Interface	10/100/1000 Mb Interface
Video Card	Standard video display adapter
Other Hardware	CD-ROM or CD-RW or DVD-R; Floppy drive; Keyboard; Mouse
Operating System	Windows® XP Pro Service-Pack-2
Other Software	DirectX version 8.0a or later
Client Minimum Requirement	
CPU	Intel® Pentium® Processor, 3.2GHz, 1MB/800MHz FSB
Memory	1GB, DDR333 SDRAM
Hard Drive	40GB (7200RPM) dedicated drive for the Windows® Operating System and Latitude Software (not for video storage) NTFS formatted
Network Interface	10/100/1000 Mb Interface
Video Card	Standard video display adapter
Other Hardware	CD-ROM or CD-RW or DVD-R; Floppy drive; Keyboard; Mouse
Operating System	Windows® XP Pro Service-Pack-2
Other Software	DirectX version 8.0a or later

System Components

Models	
DVT-SCTR-U	SceneTracker User License Per Concurrent User
DVT-SCTR-CAM	SceneTracker Camera User License – Per Camera Display
DVT-PS-SCTR	SceneTracker Calibration Services – Per Calibrated Image Pair

Traditional View Without SceneTracker

SceneTracker View



Traditional View

- Simple quad view
- No PTZ control
  - If PTZ camera is available, one user interferes with another users controls

SceneTracker View

- Five Camera "stitched" view
- SceneSpotter:
  - Up to three independent digital PTZ windows for tracking objects of interest

*Note: SceneTracker incorporates patent pending technology and is a trademark of DVTel Inc. Your system may require additional licensing or software upgrade to operate in SceneTracker display mode.

DVTEL®
THE FREEDOM TO RUN YOUR BUSINESS

DVTel HQ- 65 Challenger Road, Ridgefield Park, NJ 07660 · Tel: 201.368.9700
DVTel EMEA - 7 Lancaster Court · Coronation Road · High Wycombe · HP12 3TD · Tel: +44 (0) 870.240.0716