

VideoDetective™

Enhance Video Quality and Distribute Results Electronically

VideoDetective™ quickly transforms shaky, blurry, low resolution video footage into rock-solid, sharper, more complete images suitable for suspect identification and lead generation. The resulting images, still or video, can then be distributed electronically, even via e-mail, to other departments and agencies.

Developed with input from two federal agencies, the Technology Support Working Group, and the Office of National Drug Control Policy, and from local law enforcement agencies, VideoDetective is the ideal addition to the crime-fighter's toolkit. It's easy to use at the office or in the field. And it's available in two models, for lower-volume use in conjunction with a PC, or as a completely portable, stand-alone high-speed video lab for higher volume needs.

WE HAVE VIDEO BUT...

Even when crime or stakeout video exists, it is often of such poor quality that it's of little use for law enforcement. The causes of this problem are all too familiar. The camcorder cannot capture enough detail due to poor lighting, camera vibration, subject motion, or other deficiencies common when taping video under uncontrolled conditions.

VideoDetective makes many of these problems irrelevant. It can actually improve an image by adding back lost detail. It automatically scans surrounding frames of any image for additional detail, then combines detail from multiple frames to create a clear image nearly instantly. VideoDetective's analysis and enhancement features compensate for these typical problems:

- Shake and vibration caused by camera or subject movement
- Dark or washed-out scenes resulting from poor lighting
- Low resolution of details in the image, such as that caused by enlargement of areas of interest in a scene
- Noise and low quality stemming from the use of old equipment or tapes
- Interlacing or staircasing, where images have jagged edges around moving people or objects



FEATURES OF THE VIDEO DETECTIVE

VideoDetective enhances live or recorded video for analysis and distribution to law enforcement departments and agencies.

- Identifies features and details not visible to the eye
- Zooms in to improve focus
- Stabilizes video removing camera shake and subject motion blur
- Sharpens the image
- Allows fast scrolling to find the right frames with its Quick View feature
- Includes video editing and analysis tools
- Creates large, detailed panoramic pictures from multiple images

VideoDetective can print still or panoramic images. The images can also be sent over the Internet, or via disk.

VIDEODETECTIVE INTERCEPTOR™

The VideoDetective Interceptor™ is a flexible, portable system designed to support high-volume video enhancement needs, office usage, and remote surveillance operations. The Interceptor is a complete, pre-installed, pre-connected system in a handy carry-case. It includes software and hardware for capture, processing, enhancement, and storage of images. The VideoDetective Interceptor comes complete with:

- Laptop computer, with all necessary software installed;
- Flat screen monitor for viewing videos;
- Acadia I Vision Accelerator board, providing state-of-the-art video processing with power equivalent to a supercomputer;
- High-end digital camcorder for capturing scenes and providing real-time video;
- Super VHS VCR for playing tapes or recording processed video;
- Color printer for output of still and panoramic images;
- Pre-installed network card for instant Internet connectivity;
- 1 day of training, user guide, support and maintenance services.

VIDEODETECTIVE (PC-BASED)

The standard, PC-based VideoDetective is a software-only system, supplied pre-installed on a desktop PC, intended for an office setting. It is ideal for the lower volume video enhancement needs of many local departments. The system is designed to analyze and enhance existing (post-production) videotapes and digital files only. The standard VideoDetective comes complete with:

- PC hardware and monitor;
- Analysis and enhancement software installed;
- 1 day of training, user guide, support and maintenance services.



Original Video



Extracted relevant information

VIDEODETECTIVE MODEL COMPARISON

To assist you in selecting the correct system for your intended usage, the following chart summarizes the key capabilities of the two VideoDetective models.

CAPABILITIES	<i>VideoDetective</i>	<i>VideoDetective Interceptor</i>
ANALYSIS & ENHANCEMENT	Software-only, pre-installed on a PC	Acadia I hardware accelerated, real-time
TURNAROUND	Hours	Minutes
CASELOAD	Low	High
LOCATION	Office, PC-based	Office/Field, portable
USAGE	Videotapes, digital files	Real-time input & videotapes, digital files
SEARCH	Scrolling	QuickView

ABOUT PYRAMID VISION TECHNOLOGIES

Founded in 1997, as a venture company of the Sarnoff Corporation, Pyramid Vision Technologies of Princeton, NJ is the market leader in the development of high-value products based on Acadia I vision processing chips and software. PVT provides products, software, and support services.

For information, contact:

Pyramid Vision Technologies, Inc.
P.O. Box 6957
Princeton, NJ 08543
telephone: (609) 419-0418
fax: (609) 514-4041
e-mail: sales@pyramidvision.com
www.pyramidvision.com

