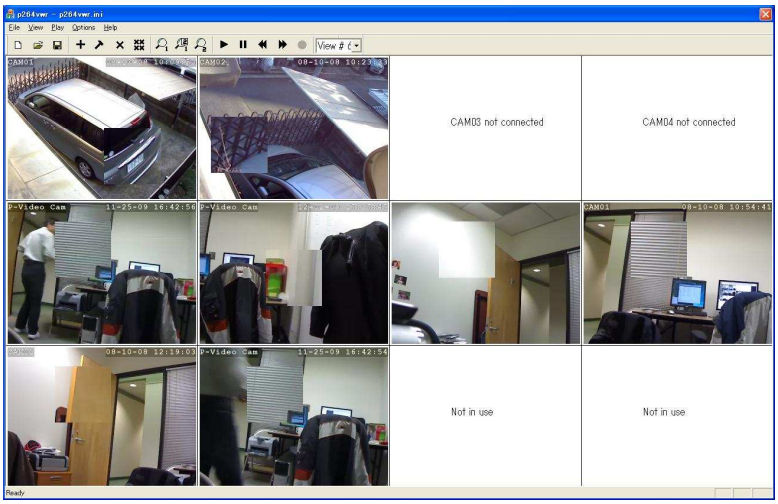
Precoad Inc.

powered by freescale semiconductor

Video Magnifying Glass™ (VMG) "Details-on-Demand" on multi-resolution, multiple-mobile-client video devices



p-Video™ Network Video Recorder (NVR)

Precoad's breakthrough p-Video™ Video Magnifying Glass™ (VMG) and video zoom/pan functionalities empower individual video viewers with "Details on Demand" (DOD) "Region-of-Interest" (ROI), to "see what and where they each want to see -- live, close-up, with full clarity", on multi-resolution, multiple-mobile-client video devices, as well as on netbooks, PCs, and TVs. p-Video's unique full clarity utilizes the higher resolution original video source data from IP network cameras and Network Video Recorders (NVRs), without any content creation (such as pixel replication or conventional "magnification", which cause blurring). By engaging the VMG, individual mobile users can truly magnify or zoom in to view video details in any selected window or region, without interrupting full-screen viewing -- at full speed, in slow-motion, freeze-frame, fast-forward, or fast-backward. Network video bandwidth usage (BWU) can be significantly reduced, with less video data needed, thereby significantly reducing video infrastructure costs, capital expenditures (CapEx), and operating expenses (OpEx).

In Security Surveillance and Monitoring (SSM) applications, p-Video provides optical zoom/pan video clarity and quality, but at much lower digital zoom/pan cost.

Key new feature set:

- H.264/AVC p-Video
- MPEG-4 Part 2 p-Video
- Live individualized p-video viewing on multiple mobile phones, netbooks, and PCs
- Live multi-resolution video viewing
- Video "Details on Demand" (DOD) "Region-of-Interest" (ROI) with p-Video's patent-protected Video Magnifying Glass (VMG) and video zoom/pan, with unique full clarity by utilizing the higher resolution original source video
- Optical zoom/pan video clarity and quality, but at much lower digital zoom/pan cost
- Network video bandwidth usage (BWU) reduction -- less video data needed
- Reduction in video infrastructure costs, capital expenditures (CapEx), and operating expenses (OpEx)
- Multi-camera, multi-resolution, multi-mobile display checkerboard on PC-based p-Video System NVR display monitor
- Displays cameras, mobile displays, connections, NVRs, storage hard drive
- Operational features -- record, play, index camera ID, data, time, motion detection, motion tracking, video playback, forward/backward search

Precoad Inc

Menlo Center
1010 El Camino Real, Suite 300
Menlo Park, CA 94025 USA
Phone: 650-327-1140
Fax: 650-322-1550
E-mail: products@precoad.com
http://www.precoad.com

Display & Graphics	
Video Resolution:	720 x 480 640 x 480 320 x 240
File Formats:	H.264/AVC MPEG-4 Part 2 MJPEG
Color Support:	Color
PC	
CPU:	800 MHz minimum 32-bit (x86) or 64-bit (x64) processor
Memory:	512 MB of system memory minimum (with at least 448 MB available to the OS after memory allocation for graphics)
Storage:	5 GB of free hard disk space minimum
Input/Output:	Ethernet & Wireless (optional)
Network & Communication	
Connectivity Technology:	Wireless & Ethernet
Wireless Technology:	Wi-Fi 802.11b/g
Protocols:	HTTP, TCP/IP, UDP/IP, RTP, RTSP, RTCP, SDP, 3GPP
Additional Information	
Simultaneous Viewers:	Up to at least 32
Platform Support:	PC: Windows XP, Vista, Windows 7 or above Mobile: Window CE 5.0 or above
Security Features:	User ID/Password authentication
Video Encoder:	H.264/AVC MPEG-4 Part 2 MJPEG
Wireless Features	
Frequency:	2.4000 - 2.4835 GHz
Number of Channels:	11
Transmission Speed:	Up to 54 Mbps
Encryptions:	WPA/WPA2, WEP

Precoad Inc.

Menlo Center
1010 El Camino Real, Suite 300
Menlo Park, CA 94025 USA
Phone: 650-327-1140
Fax: 650-322-1550
E-mail: products@precoad.com