

## LEVERAGE QuickView

### QuickView Key Benefits

#### Force Multiplication

Console operators increase Law Enforcement's reach without increasing the number of officers on duty.

#### Real-time Situational Analysis

Console operators push camera viewing to responding officer's MDC or Smartphone to provide real-time awareness of an incident.

#### Proactive Policing

Console operators become aware of incidents that would otherwise go undetected.

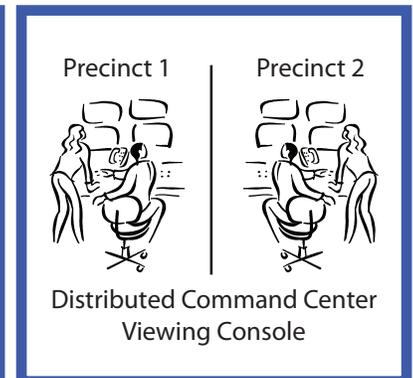
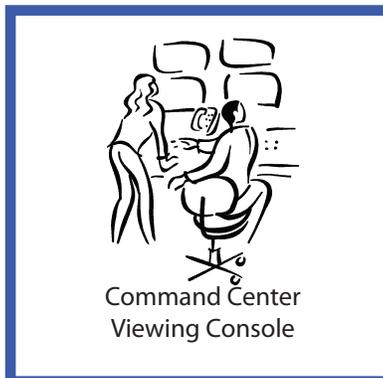
LEVERAGE QuickView is the live surveillance viewing and administration console available within LEVERAGE VMS. QuickView is available in 3 unique product options, all of which are core to the surveillance solution.

- QuickView Pro
- QuickView MDC
- QuickView Mobility

QuickView is engineered as a distributed viewing architecture, offering a high degree of flexibility. Described in more detail below, the three QuickView products have been designed to address a wide range of unique viewing requirements.

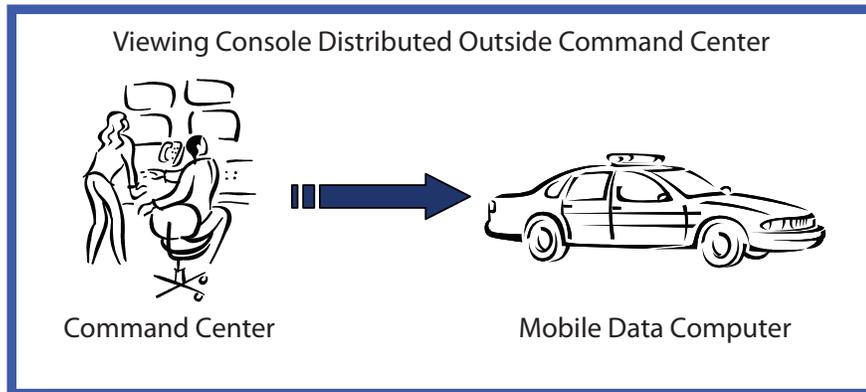
**QuickView Pro** is the fully loaded LEVERAGE VMS console that is viewed by Operators located in the command center and on the network. QuickView Pro also serves as the administration console for LEVERAGE VMS, offering features that make managing the entire surveillance network easy and straight-forward. QuickView Pro administrators authorize secure access rights to the individual operators and define the viewing screen by placing camera locations on the map. Once defined, Operators simply click on any camera icon on the map to observe its live video feed and to rotate and zoom in a camera for more precise views. QuickView Pro also provides the ability to distribute the viewing of the video in various configurations for flexibility. For smaller operations, viewing can take place on a single workstation. In larger installations the administrator has the option to allow all operators to view all cameras or to logically divide camera viewing to one or more command center consoles.

It is this full-featured QuickView version that takes advantage of the full power of LEVERAGE Detect to provide a robust end-to-end tactical surveillance solution. LEVERAGE Detect provides an automated incident recognition, notification and response system that assists Law Enforcement in policing areas when officers are not present. Detect communicates with QuickView Pro to automatically rotate and position one or more surveillance cameras to predetermined location settings (called presets) when predefined events occur.

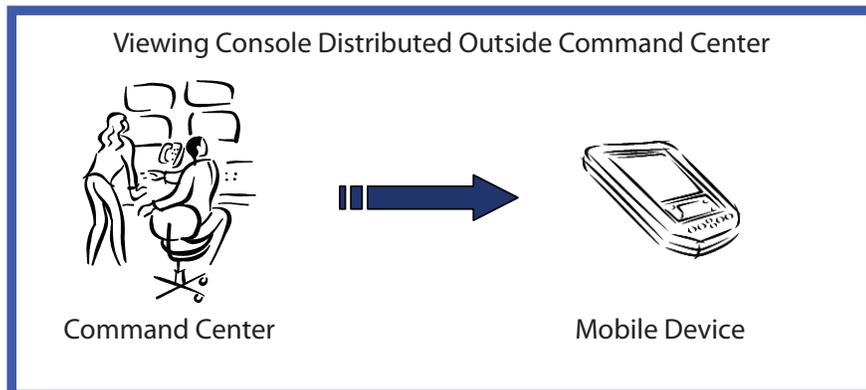


QuickView Pro's powerful capabilities allow operators to add significant value to Officers in the field by providing valuable real-time situational analysis (i.e. what is occurring, perpetrator and vehicle descriptions and, in many cases, exit routes).

**QuickView MDC** is a thick client application designed for Public Safety professionals who are working in the field. Responding Police officers, Field Supervisors, Surveillance and Security Guards are just a few examples of professionals who would benefit from QuickView MDC. The product provides this group of professionals with the ability to tap into LEVERAGE VMS from their vehicle Mobile Data Computer (MDC) or Tablet PC while out in the field. Operators using QuickView Pro at the command center push video to a responding officer's QuickView MDC device located on the private network. Now the responding officer has all of the information that he/she needs to effectively put a plan in place that allows for expedient and safe resolution of an incident.



**QuickView Mobile** is a thin client browser-based application that will run on any smartphone having access to the web. It offers a single viewing window that allows responding Law Enforcement professionals to gain knowledge of a situation prior to arriving at the scene. Live video is pushed from QuickView Pro to an application residing on a web server located on the private network. Public Safety professionals connect to the QuickView Mobile application directly from their smartphone via the phone's browser.



## QuickView Capabilities

**Active Directory Authentication and Audit Tracking** - Centralized authentication and auditing capabilities allow the administrator of LEVERAGE VMS to efficiently manage user access. Authorization can be linked to Active Directory so that access can be managed consistently by groups based on need as opposed to individuals. To ensure video is observed and managed appropriately, auditing user access is necessary. QuickView produces auditing reports that provide information about who accessed a video, the timeframe in which it was accessed and the length of time it was viewed.

**Internet Map-based Navigation** - QuickView provides the ability to navigate the system using a familiar mapping tool, Google Earth, as its base. The administrator places camera locations on top of a Google map for easy viewing. Operators clicking on a camera will be provided with specific details about the device such as preset definitions and geo spatial information. Clicking on a camera will also open up a window for viewing the live video.

**Non-Internet Map-based Navigation** - For organizations that do not have access to the Internet, QuickView optionally offers its own maps for setting up, managing and viewing the surveillance cameras. Similar to a navigational GPS, QuickView stores a complete set of maps equivalent to those available through Google that can be served on demand – without internet connectivity. The non-Internet map-based navigation offers the exact same administration and viewing capabilities as the Internet map-based configuration.

**IP and Analogue Cameras** - Both IP and Analogue cameras are supported by QuickView, providing customers with a broad choice for video equipment that conforms to any budget.

**Push Technology** - QuickView allows camera operators at the command center to push video to other devices such as Mobile Data Computers located in police vehicles. An operator may want to allow a responding team of officers to view an incident in order perform their own situational analysis.

**Touch Screen Support** - In many cases it takes less time to touch a point on a map that is displayed on a screen than to move and click a mouse or navigate to it via touchpad. In other cases touch may be the only interface available for a given viewing device.

**MPEG4 and H.262 Support** - Supporting both MPEG4 and H.262 video provides a wider range of QuickView supported codec choices.

**One-Way Audio** - Audio is a powerful deterrent for many nuisance crimes. One-way audio can be added to most LEVERAGE surveillance cameras to provide operators the ability to converse with a suspect.

**Distributed Viewing Configuration** - Large command centers will often have multiple individuals managing the surveillance cameras. QuickView allows viewing windows to be distributed among the operators based on any criteria such as camera location, number of cameras or ability levels.

**Multiple Simultaneous Screen Viewing** - It is possible to project multiple viewing windows on an individual screen. This prevents operators from having to toggle back and forth between windows. It also allows clustering the views of related cameras to enable a holistic view of a situation.

**Video Wall Support** - QuickView supports projecting one or more viewing windows in a wall configuration, enabling multiple individuals to observe video simultaneously.

**PTZ Control of Cameras** - The benefit of a PTZ camera is that it can be rotated and zoomed in for closer viewing by system operators. QuickView provides operators with the ability to control PTZ cameras from a distance – either from within the command center or on the private network.

**Integration of PTZ Camera Presets** - Most PTZ cameras can be configured through LEVERAGE Detect to rotate automatically to stored coordinate settings called Presets. Presets provide immediate “Intelligent Camera Views” to operators by removing the requirement to manually adjust a camera when an incident occurs in a predetermined location. QuickView executes preset information and rotates the camera to the stored location, allowing operators to locate Intelligent Views in a single mouse click.

**Integration With Added Value Applications** - QuickView utilizes LEVERAGE Detect to integrate with other key event-based applications such as ALPR, gun shot, CAD, E911, etc. Proactive event-driven surveillance enables Law Enforcement to effectively police areas even when officers are not present.

**Single Console for Administration and Viewing** - QuickView Pro supports all administrative and operator functionality from within a single application making it easier to manage cameras and viewing windows and pushing video out to MDC and Mobile devices.

**Synchronize Camera Playback** - All Camera nodes are synchronized to a master clock (Network Time Protocol). Multiple cameras can be played back in full motion, or single step. Selected incidents are then exported as “Incidents”.

**Time, Motion and Thumbnail Search** - An incident recorded on video can take a fair amount of time to view from beginning to end. It can be frustrating to locate a specific behavior within the incident unless there is a way to easily scan through the recorded video. QuickView Pro allows searching through a recorded video based on time and motion. It also provides a thumbnail view of the video frames.

**Third Party Keyboard Support** - In cases where the video viewing device does not offer its own keyboard, QuickView recognizes third party keyboards to provide increased flexibility and functionality.

### QuickView Feature Comparison

	QuickView Pro	QuickView MDC	QuickView Mobile
Active directory authentication	X	X	
Audit tracking	X	X	X
Internet Map-based navigation	X	X	
Non-Internet Map-based navigation	X	X	
Support for IP and analogue cameras	X	X	
Push technology capable	X	X	
Support for touch screen technologies	X	X	
Support MPEG4 & H.264	X	X	
Support for one-way Audio	X	X	
Distributed viewing configuration	X	X	
Multiple simultaneous screen viewing	X	X	
Video wall support	X		
PTZ control of Cameras	X	X	
Integrates PTZ camera presets	X	X	X
Integrates 3rd party added value capabilities	X		
Single console for administration and viewing	X		
Synchronize camera playback support	X		
Time, Motion and Thumbnail search	X		
3rd party keyboard support	X		

LEVERAGE QuickView offers flexible product options to suit every surveillance viewing need. Relevant Video streams can be pushed to responding professionals on an as needed basis providing valuable situational analysis in real-time. Viewing can also be distributed to a single viewing console or logically divided between multiple viewing consoles for larger implementations. And QuickView is integrated tightly with LEVERAGE Detect’s automated incident recognition, notification and response system to actively assist in policing areas when officers are not present.



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