



C3 Incident Monitoring System

Enhancing Tactical Situational Awareness

August 2018

Watchman Cyber Command & Control System

Watchman's Cyber Command and Control (C3) System is a complete video monitoring system designed by officers specifically to *Enhance Situational Awareness for Tactical Deployments*. It comprises equipment, options and features not found in traditional video surveillance solutions, with cameras that can be deployed in minutes by non-technical personnel.

These instantly deployable cameras are securely viewable wherever the Internet is available, on standard mobile or PC equipment, including officers' personal or standard issue smart phones and tablets:

- *On-scene Situational Awareness* is improved with real-time video steam delivered to officers and commanders
- If required, *Remote Command Assistance* can be provided by officers from HQ, other locations or even their homes where they can monitor live events as they are happening
- Live video feeds can be delivered to *remote Experts or Advisors* to help with specific situations *from almost anywhere in the world*. Examples include bringing in Hazmat experts from other first responders, or subject matter experts from other agencies or academia.



Watchman C3 Tactical Cameras are designed for very rapid deployment. The units are ruggedized and weatherproof, but extremely lightweight, allowing them to be deployed by non-technical officers in a fraction of the time of similar solutions and *with no specialist equipment*.

A variety of mounting options allows Team Members to take advantage of the most commonly available on-scene physical mounting assets (poles, walls, windows, vehicles, etc.).

Each camera unit is self-contained with battery power for over 12 hours of operation.

Despite the units' small size, they produce very high-quality images, with digital PTZ control, and provide local and remote video recording of the High Definition video streams, if required. The C3 Incident Monitoring System also includes a *Mobile Command and Control Console* that provides battery powered, multi-camera monitoring on an 18-inch high definition screen in a self-contained Pelican Case, making it ideally suited to the on-scene command environment.

Like the C3 Tactical cameras, the Mobile Command Console works as soon as it is turned on, and is equally at home indoors at HQ, in a Mobile Command Post, or from the trunk of a Patrol Car.



All C3 components come pre-configured and pre-installed with high-speed LTE Data Connections to work straight out of the box.

They all connect to each other *securely and automatically*, no matter where they are or how they are hooked up to the Internet, through *Watchman Connect* – the Watchman cloud service that removes the need for complex installation and configuration.

C3 Incident Monitoring System

The *Incident Monitoring System* has been designed by experienced Senior SWAT officers to deliver enhanced situational awareness for typical tactical deployments. It consists of 4 pre-configured Tactical Cameras, each of which can be quickly deployed using the included Pole, Vehicle, Wall and Window Mount Kits, and a Mobile Command Console.

C3 Tactical Camera

The C3 Tactical Camera is lightweight and weatherproof and measures approximately 8 x 5 x 2 inches. The camera is battery powered and the enclosure contains a rechargeable Lithium Ion battery that can power the unit for over 12 hours. An external recharging port simplifies the charging process.

The unit is freestanding, allowing it to be readily placed on any *wall or other flat surface*.

Mounting lugs on each side allow it to be rapidly pole mounted using the included *Watchman Pole Mounting Kit*.

A standard tripod mount in the base allows the use of the included mini tripod for *uneven surfaces*. A strap on the tripod also delivers a quick, secure horizontal or vertical *railing mount* solution.



Also provided is a heavy-duty suction mount that attaches to the tripod socket. The suction mount can be used to quickly mount to any smooth surface and the camera can be reversed to provide *unattended interior views* from the outside of a window.

The suction mount also works extremely well on any metallic surface, allowing the use of *any available vehicle* as a local mounting asset.

The HD camera streams live HD video, but the device can remotely capture 8MP still photographs at the touch of a button. The device's extended internal memory and its ability to record only on motion detection, provides plenty of internal recording capacity for tactical use.

Each C3 Tactical Camera comes preloaded with the Watchman software and, like all Watchman components, connects automatically through the Watchman Connect service as soon as it is switched on.

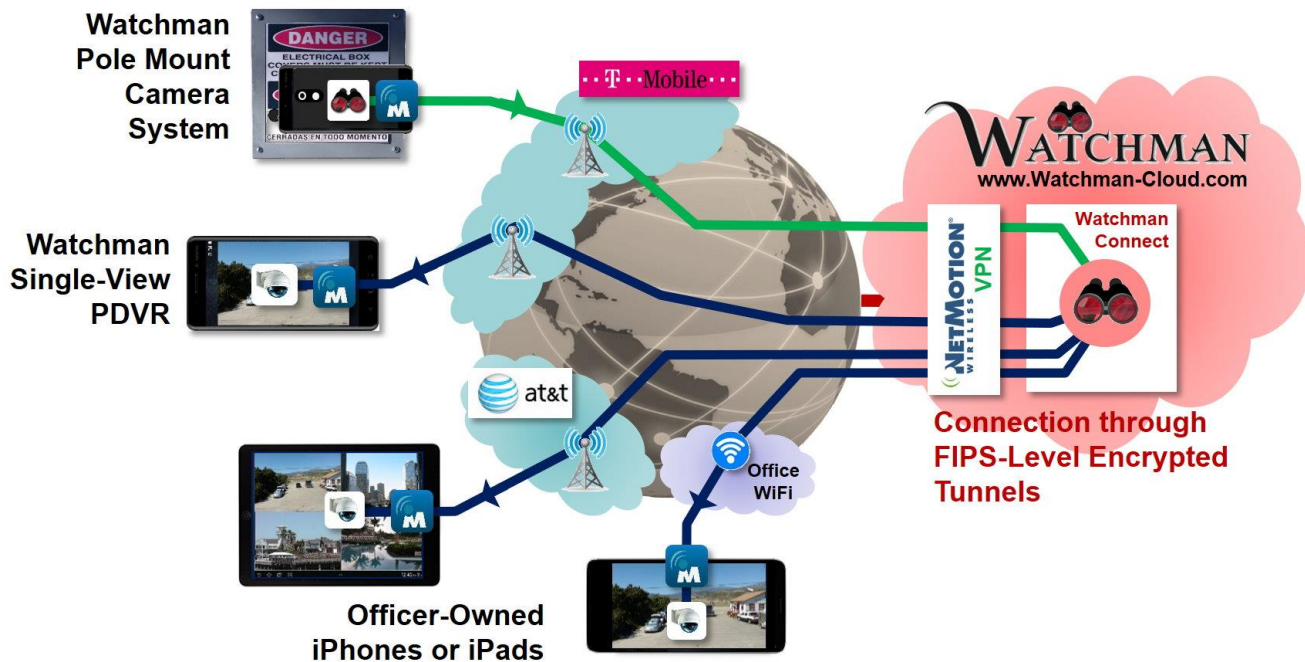
A critical component of the Watchman C3 System is its ability to automatically connect the cameras to the Command Console and multiple other authorized viewing devices as soon as they are deployed, regardless of where they are. *Watchman Connect* enables this automatic connectivity, but also facilitates the accessibility of the video streams on officers' smart phones and tablets over their normal cellular network or other Internet connections.



Watchman Connect

All the components of the Watchman Cyber Command and Control System come pre-configured to *automatically connect as soon as they are turned on*. This is achieved by the Watchman Connect cloud service through the supplied T-Mobile LTE connections delivered in the Watchman Cameras, Mobile Command Console and Personal Digital Video Recorders (PDVRs). A unique feature of Watchman Connect, though, is its ability to link any Watchman Camera to any *authorized Android or IOS device* running readily available, off-the-shelf software, *no matter how those devices are connected to the Internet*, whether on the same or different mobile networks or through WiFi, if available.

Watchman Connect provides the *authentication* that restricts access to registered cameras by pre-designated devices, and *strong VPN encryption* to maintain security of the video streams.



Watchman Connect uses *NetMotion* for its secure VPN connection service. NetMotion is the leading VPN service in the public safety arena and is trusted by hundreds of agencies around the world. It is FIPS-certified and uses high-level encryption to maintain confidentiality of Watchman video transmissions.

Watchman Connect manages the authentication of the cameras and viewer/recorder devices, independently of how any component is connected to the Internet. This delivers several important benefits, especially in a multi-camera, multi-viewer environment:

- You can set up *any Android or IOS smart phone or tablet* as a Watchman-compatible PDVR, simply by downloading the NetMotion Mobility client and off-the shelf IP Cam Viewer software. Access to your cameras must be authorized through Watchman Cloud Services and is achieved by requesting it through the www.Watchman-Systems.com web site. The NetMotion software works no matter how each device is connected, even if they are on different cellular networks. The installation of additional devices is not complex and details can be downloaded from the site.

- Watchman Connect supports *many-to-many connectivity*. You can have multiple cameras being accessed by multiple users - a SWAT Team deploying multiple cameras at an incident, for example, with each Team Member accessing all cameras on their personal smart phones, and both local and remote oversight by the Team Leader and Supervisor.
- With multiple deployments you can also set up *multi-layered command and control supervision* with access to multiple groups of cameras (or all cameras).
- If you are going to monitor video from a location equipped with high-performance WiFi, such as at HQ, you can set up WiFi access in the viewing device and the NetMotion Mobility software will automatically use it when available.

C3 Mobile Command Console

The C3 Mobile Command Console is based on an *18-inch Samsung View tablet* that provides a large, high definition screen in a completely self-contained and mobile system.

Watchman has expanded the tablet into a complete system optimized for remote supervision of multiple Watchman cameras:

- Communication is by both *LTE cellular* and high performance, *multi-band WiFi* to deliver the maximum wireless bandwidth, indoors or out.
- The system has independent power with a built-in, *high-capacity battery system* that has been tested to operate the entire system continuously for *over 14 hours*.
- Data storage has been enhanced to support video recording with a pre-configured *500GB Solid State Hard Drive*. A USB hub allows the addition of extra USB storage, if required.
- Like all Watchman components, the Command Console is pre-configured with *Watchman Connect* and Camera Viewing/Recording software to begin operating as soon as it is turned on. Watchman Connect leverages the industry standard *NetMotion VPN* for FIPS-level data security, and Watchman Cloud Services to initiate and maintain connectivity no matter where or how the Command Console or the cameras connect to the Internet.



- A wireless, illuminated *keyboard and touchpad* allows access and control of the system from up to 30 feet away.

The Command Console has also been configured in a ruggedized, waterproof *Pelican case* that also doubles as an operating console for the complete system:

- Simply lift the tablet and extend its stand. The tablet sits in the case well with room for the removable keyboard in front of it.
- Power is provided through the built-in battery pack. The battery can be charged while it delivers power to the components, making a single-point power connection for the entire system.



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Please contact **949.339.7497** or info@Watchman-Systems.com for more information.