



Getac
Video Solutions

SMART CITY TECHNOLOGY CREATES VAST AMOUNTS OF DATA. SO HOW DO YOU LEVERAGE AND MANAGE IT ALL?

With more than 400 Getac Video Solutions body-worn cameras and at least two in-vehicle cameras in each of its more than 200 patrol and prisoner transport vehicles, the Calcasieu Parish Sheriff's Office (CPSO) in southwest Louisiana generates large amounts of data. Digital evidence further increases the data demands in the form of crime-scene photos, surveillance and digital forensic captures from storage devices, computers, tablets, smartphones and vehicle information systems.

With such vast amounts of data, the CPSO needed to find a way to manage this data and turn it into something useful; otherwise, it becomes meaningless, difficult to sift through and time consuming. SMART city and video capture technologies from Getac Video Solutions help the CPSO manage and leverage this data efficiently.

The CPSO decided to deploy a hybrid cloud with the Cloudian® HyperStore® to host all of the data they received, but they still needed to find a solution that would manage the data contained on premise and in the cloud in a way that was useful and created efficiencies. With that in mind, they employed a system from Getac Video Solutions, a DVR powered by an Intel® Core™ processor that could store up to 80 hours of video before transferring it to on-premise storage, the cloud or a hybrid cloud. The Getac Video VR-X10 DVR acts as a gateway to the data, merging video and data from multiple sources at once to enable multi-tasking, quick response time and trusted in-field information to and from the command center. This interconnectivity between the DVR, the hybrid cloud and Getac Real Time Command allows easy and fast accessibility to real-time intelligence. Getac Video's technology with Intel processors integrates easily into existing technologies, streamlining integration and maximizing uptime.



SECTOR:
Police Department

SOLUTION:
Getac Video Solutions' Cloud

CLIENT:
Calcasieu Parish Sheriff's Office



BENEFITS OF THE GETAC VIDEO SOLUTIONS AND INTEL INTEGRATED SYSTEM

The Intel powered DVR creates a circuit where data can be logged and transmitted in real time, connecting dispatch to officers and vice versa. The solution is easily integrated without costly spending, saving the CPSO a significant amount of money that can be put towards other resources.

With access to a cloud of data and a DVR, information both historical and in real time can be processed as CPSO sees fit. Using artificial intelligence alerts, the system allows the CPSO to see what they want and need, and makes sifting through endless data a thing of the past. In addition, the system's artificial intelligence can find connections the officers may not be able to see, running information against uncorrelated data to find anything of importance. As a result, the deputies of CPSO can focus on doing their job: making fast and informed decisions to stay ahead of crime.

Through the interconnectivity of the Internet of Things, data can be taken anywhere, even on the go. Information from the Clodian hybrid cloud or the Intel processed DVR can be transferred to any platform, whether mobile or stationary, including the Getac Real Time Command and in-car HD 5-inch displays.



Getac Video Solutions Body-Worn Cameras

Get complete situational awareness in your most critical scenarios. The Getac Video Body-Worn Camera delivers panoramic, full-HD video, even in low-light conditions. With one of the smallest and lightest designs in the industry, up to 12 hours of full-shift battery life and a wide range of communication features, it can go wherever you need, whenever you need it.

ZeroDark™ HD Camera

Working at night comes with the disadvantage of reduced visibility, especially when it comes to your in-car cameras. The ZeroDark HD Camera solves that problem so you can do your job, even in the darkest conditions. The cameras are small and discreet, and with 60 and 120 degree wide-angle cameras, you can create a 180 degree view.



5-inch HD Display

At 800x480, the resolution of the display is 2.5x the resolution of its nearest competitor. The display pairs with a multi-touch interface complemented by user control buttons designed for simplicity and frequent use. And all of this is accomplished while reducing the overall footprint. While the screen is 33% larger than a 4.3 screen, the display is actually smaller, making it easier for mobile transport.

VR-X10 DVR

The VR-X10 acts as a powerful real-time gateway. It merges video and data from multiple sources at once and enables multi-tasking, quick response time and trusted in-field intel from the command center. The VR-X10 captures multiple camera sources simultaneously to high-performance, solid-state storage, so you can trust that you have the whole picture, not just one side of the story.



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HOW IT ALL WORKS

The Getac Video VR-X10 DVR, powered by Intel® Core™ i3-4005U processors and other technologies, delivers power-efficient performance and specialized capabilities for SMART city use in cases like public safety. Solutions by Getac Video include in-car and body-worn mobile video systems. The HD cameras send captured video to the VR-X10 DVR to store up to 80 hours of video. Using the in-car touch panel 5-inch HD display, officers can view real-time or historical videos, then categorize and upload them to on-premise storage, the cloud, or a hybrid cloud via the DVR's built-in Wi-Fi, cellular connection or removable media. This data can then be used in the Getac Real Time Command for data analytics and further integration into situational evidence management.

