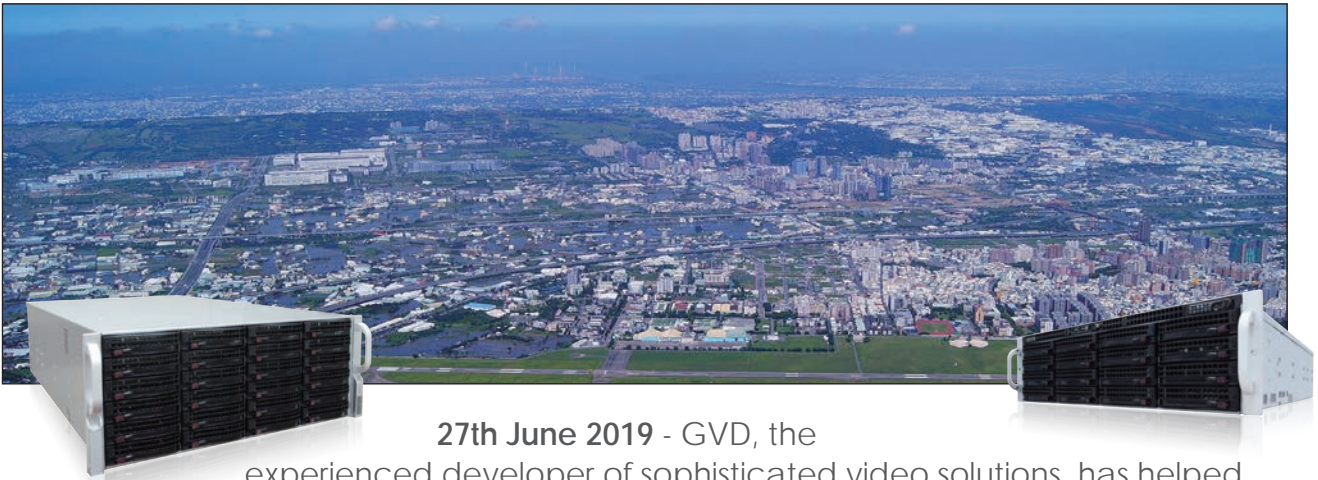


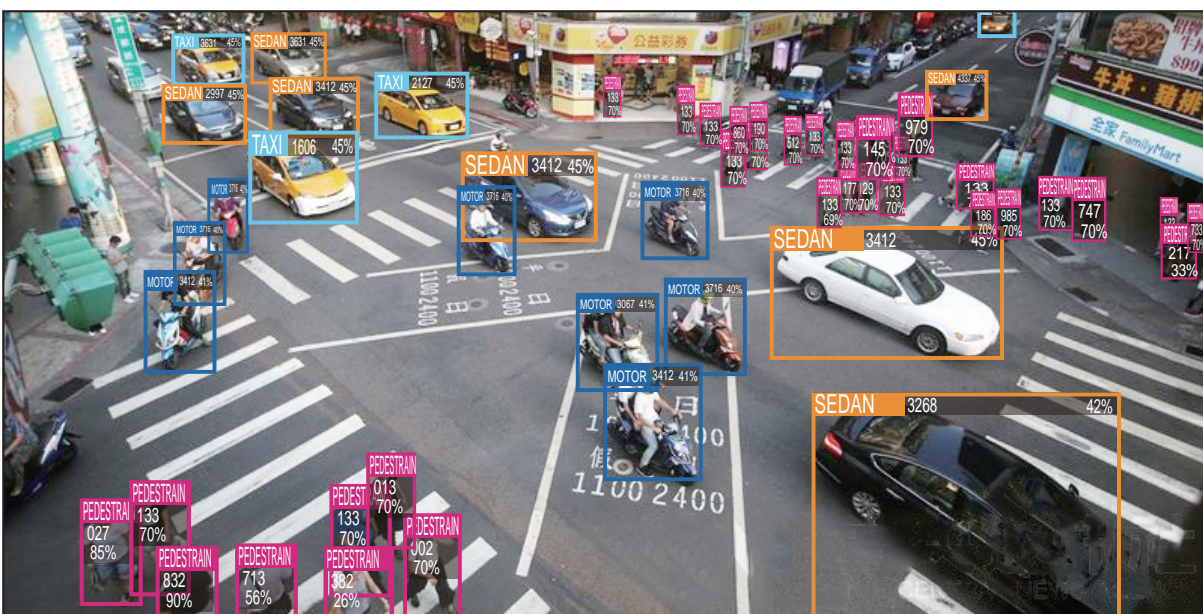
Taichung City Gets Smarter



27th June 2019 - GVD, the experienced developer of sophisticated video solutions, has helped turned Taichung into a smarter and safer city to live in. GVD helped the city revamp the analog CCTV system to a fully online one. Such full digitalization brings not only better video quality, but, most important of all, more centralized control over the city.

Located in the center of Taiwan, Taichung is the second largest city on the island, with a population of 2.8 million citizens. Facing the problems of urban development, such as traffic issues and crimes, the municipality distributed 8,000 IP cameras across the city and ushered in AI, Big Data, and IoT to seek improvement.

Digital technology is used foremost to improve traffic, in that IP cameras collect and pass video images to the cloud-based AI servers for the identification of objects, such as parkways and vehicle types (sedans, motorbikes, buses, trucks, etc.) Then, the system can estimate vehicle speeds and calculate traffic flow. Further integrated with license plate recognition, the police just lets AI run the necessary identification for traffic violations and accidents and saves workforce and time. Big Data can decide where and when traffic violations and accidents are particularly high and, therefore, helps city police better arrange the workforce to reduce accidents.



Traffic management - Object identification at an intersection in Taichung

As an integral part of video surveillance, crime prevention is another excellence for the smarter Taichung. In the past, Taichung's unique parliamentary culture had led to unruly mobs, and law enforcement has been the public's big concern. Video system combining Big Data can pinpoint crime hotspots based on where, what, and when a case was reported, and thus helps city police make decisions about where to step up the search, inspection, or roadside check. In the past two years, the Taichung City has invested a lot in smart police, and has dramatically improved public safety. Besides, sophisticated video content analysis can detect whether a camera is redirected, defocused, covered, etc., and thus eases the city's maintenance of cameras.

GVD's video solution lays the perfect groundwork for object identification. The *Central Management Platform* is based on a modular design to take in AI features quickly. And, GVD high-density NVRs are powered by NVIDIA® GPU to support sophisticated deep-learning AI. Also, GVD's solution can quickly expand to 20,000 cameras to cover a city-wide safety net. Finally, GVD's solution uses a variety of software packs of affordable budgets to overcome the troubles of system integration.

GVD high-density NVRs are extra high-performance and high-capacitated. They come with a license of 468 channels, recording rate of 1404 Mbps, and vast storage expandable up to 680TB for long-term video storage, and also RAID 0,1,5,6,10 to prevent data loss!

For more details about GVD *Central Management Solution*, please visit:

<http://www.gvddigital.com/web2018/products/vmsvscms.php>

About Genius Vision Digital

Founded in 2007, **Genius Vision Digital** (hereinafter "GVD") has devoted to the development and innovation of some peculiar video applications ranging from large-scale projects and multi-site projects to transportation. After a few years of effort, the Taipei-based company has become a well-known provider of professional HD IP video surveillance and has sales arms set up in New Delhi, India and Dallas, USA

GVD has a professional team with 11-year experience in CCTV and 8-year experience in IP video surveillance, with parallel concentration on analog, hybrid and IP video solutions. **GVD** team has high efficiency in designing and developing large-scale video systems and stands out in Asia with leading technology. For more information about **GVD**, please visit our website at: www.gvddigital.com.

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