



Raytec IR Powers Video Analytics

RAYMAX Infra-Red LED lighting has been installed at the heart of an advanced CCTV security solution featuring the latest intelligent scene analytics. The lighting scheme was designed and installed by CCTV specialists 'The Wire Guys' based in Toronto – Canada. Deploying lighting allowed the CCTV system to deliver intelligent security at a previously vulnerable 3acre construction storage yard in East Pennsylvania, USA. No light = no video analytics.

Used in conjunction with smart HD/megapixel camera technology from Video IQ, the IR lighting allows the analytics of the CCTV system to work to the highest of standards at night. The RM200 Platinum units provide crisp clear images with an even spread of illumination, so that the camera system can automatically detect people and vehicles up to 300m away and trigger an alert whenever a target object enters the protected area. Crucially, the addition of lighting also helps to eliminate false alarms.

Video IQ megapixel cameras differ from traditional cameras because they have inbuilt video analytics and storage. They are designed to only detect 3 objects - people, vehicles and boats. With a very noisy image caused by insufficient light on scene, the camera system may struggle to detect and differentiate between objects.

"Reliability and problems with false alarms have long been drawbacks with this kind of intelligent video systems", says Michael Miller, Director of The Wire Guys. "The analytics work so well in this instance because of the high definition images captured by the camera system using the high performance RAYMAX Infra-Red lighting".

"There are further smart advantages if the user wishes to integrate Video IQ cameras with Raytec White-Light illuminators at night for colour CCTV", comments Michael Miller.

The cameras detect objects based on size, shape and colour. When using White-Light LED technology, all three search criteria are possible and it becomes easy to find target objects – such as a red car/a man with a blue jacket.

"At this site we have really harnessed the full potential of smart CCTV, making use of the latest camera and lighting technology. This enhanced level of detection capability, and resistance to false alarms, has really improved security and safety for the construction company, putting the site owners fully in control", adds Mr Miller.

"CCTV systems such as Video IQ installed by specialists like The Wire Guys, are now are getting much smarter and better at protecting people – and Raytec LED lighting allows these systems to remain smart during the vulnerable hours of darkness", comments Kristen Seguin, National Sales Manager, Raytec Americas.

For more information on RAYMAX Infra-Red lighting visit www.rayteccctv.com .