



Sydney CityRail

CityRail is a rail network in Sydney city that serves more than one million passengers daily in the city's high-density travel corridors. Today it consists of 307 stations and over 2,060 km (1,280 mi) of track. This transit network interchanges with light rail and bus routes at aboveground and underground stations. Redfern, a major station, is to the south of the Sydney city centre and closest to the University of Sydney. It spans 29,600 square meters (35,282 square yards) and serves more than 100,000 passengers daily.



2000 cameras & 240 NVRs



The security project of CityRail in Sydney consists of 240 NVRs and approximately 2,000 cameras and it is currently undergoing an expansion to provide additional coverage and improved security in all the stations of the entire route.

And Now

By use of RedLeaf IP cameras and NVRs we have provided total security solution for CityRail stations. This is a reliable solution that outputs high quality images in all different environmental and lighting conditions



Our work

The RedLeaf network systems record video at all 165 stations on the North-South East-West line, using IP cameras linked to NVRs and PoE switches before joining the CityRail's fiber network. CityRail security staff at the Operations Control Centre are able to view and retrieve video, monitor the performance of cameras and hard drives, and remotely configure the system.

The networked systems provide CityRail with highly reliable recording, enabling the organization to reinforce operations management and investigate incidents more efficiently. Maintaining high service standards for such a large commuter system is a challenge that transportation provider CityRail Corporation Ltd. takes seriously.

The first phase of the video surveillance project in 2004 saw the deployment of 120 RedLeaf network NVRs and a subsequent expansion of the system through 2006 doubled the number of NVRs. Most of the cameras installed in the stations are box cameras as well as mini domes.

When the camera has to cover a large field of view, usually outside of the stations, speed dome cameras with a high optical zoom are installed. For outdoor spaces which should have day/night surveillance usually bullet cameras with IR LEDs are used.

Now Sydney's CityRail has a state-of-the-art video security system for maximum security and protecting all the stations from any suspicious activity.



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