



## Plumpton High School, NSW

Safeguard your school with a simple, robust & scalable Surveillance Solution from D-Link and Redshift Group



*All D-Link equipment was faultless and as a result the principal was very pleased with the D-Link IP cameras, network video recorders, system and the high quality finish of the IP Surveillance Solution provided by D-Link and Redshift Group.*

— Plumpton High School



Contact us for more information on Network Solutions for your School.

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In Partnership with



### Background

**Organisation:** Established in 1976, Plumpton High School is a large multicultural 7-12 comprehensive secondary school. The School's Vision is based on the premise that excellence comes when students and staff commit to becoming the best that can be, contributing to the local and global community in a meaningful way. Plumpton believes this goal can be best realised within a supportive, innovative, creative and stimulating educational environment focussed on building intellectual, relational and self-conceptual infrastructures.

### Overview

D-Link liaised with trusted reseller the Redshift Group to install new D-Link IP cameras at Plumpton High School. The school's principal wanted more areas of the school monitored to protect his children and staff and also wanted quick remote access for their key staff to immediately view any incidents. If the new cameras were to be connected to the existing school network, it was a requirement that they did not slow the network down. The new camera solution also had to be very easy to use and provide excellent image quality.

### Challenge:

The two week timeframe to complete the entire job was very tight but had to be adhered to as it was within school holidays. Then, due to the distances between the multiple school buildings being significantly large and the different heights of each block, installing conduit between each block was not straightforward. Roof and ceiling space access was limited, so running cables was not easy within each block and also between each block.

The Redshift Group were also asked to integrate 10 existing cameras into the new 27 camera network so they needed to redesign the topology and cabling configuration. This also meant the existing cameras had to be taken down, reset, reprogrammed and re-cabled.

Redshift also needed to install new electrical supplies to the new surveillance cabinet locations around the school and had to use a diesel boom lift to access high areas and enable the installation of any camera at any location for the perfect field of view (FOV).

### The Solution

Redshift Group designed a robust network which consisted of 8 interconnected sub-networks. The surveillance system of each sub-network is able to run independently and also part of the centralised monitoring centre.

This enabled Redshift Group to install a new standalone network for surveillance equipment at the site, whilst also removing the previously installed cameras from the school's in-house network so they could integrate all 37 cameras on their own private dedicated network. As all blocks were interlinked to each other, this provided access to any camera from any other point on the entire network.

D-Link DCS-6513 dome cameras were chosen because of their image quality, robustness and built-in IR night vision capabilities. D-Link DNR-326 Network Video Recorders were chosen because of their small form factor and the footage could be viewed via PC when required.

### The Outcome

Redshift Group completed the entire job on the 13th day with every camera online as soon as they were plugged in. All 37 cameras showed up on the central monitoring PC in the school vault with no wiring errors or camera malfunctions. All D-Link equipment was faultless and as a result the principal was very pleased with the cameras, recorders, system and the high quality finish of the IP Surveillance Solution provided by D-Link and Redshift Group.

### Products integrated in this solution includes:

	<b>27 x D-Link DCS-6513</b> Full HD 3MP Day & Night Outdoor Vandal-Proof Dome Network Cameras
	<b>9 x D-Link DGS-1210-10P</b> 10-Port Gigabit WebSmart PoE Switches
	<b>9 x D-Link DNR-326</b> Network Video Recorder (NVR) 2-Bay 3.5' SATA HDD Storage Enclosures