



# NEWSLETTER

Voice, Video & Data Cabling

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## THIS MONTH'S HEADLINES:

- LASERLINK UNIFIES SEPERATE OFFICES**
- ENRICHING LITTLE SISTERS OF THE POOR**
- TECHNOLOGY CORNER**
- SHELFORD RENOVATES HALL WITH LCD**

### LASERLINK UNIFIES SEPERATE OFFICES



Over a year ago, the Unified Healthcare Group was referred to DIB Australia with a requirement for a high-bandwidth secure network link between two of their offices separated by over 100 metres. After detailed consultation, we proposed an infrared laser based product that worked on line of sight. The benefits were numerous: very high bandwidth (up to 155mb full duplex), high security, high reliability with no fade and more cost efficiency than installing an underground cable. As the two separate transmitter/receiver units transfer data over pinpointed laser light, there is no signal leakage that can occur with RF based links, making it a very secure system. The system is more like a fibre optic cable than a traditional RF link.

After some installation challenges, the system has now proven its reliability. There have been no service outages, disruptions or issues of any kind for almost 5 months of full operation. Basically working like a fibre optic cable between the two buildings, without the hassle of the cable, this laser link technology can work anywhere from 20m (across the street) up to 5km (across the city). For more information, please contact DIB today.

### ENRICHING LITTLE SISTERS OF THE POOR

Recently, the Little Sisters of the Poor nursing home approached DIB Australia with the idea of upgrading their television system. This consisted of turning TV reception from average to high quality and also the addition of a couple of new channels to be broadcast around the nursing home. This new system has now been finished, leaving smiles on the faces of residents who are now able to watch an integrated DVD channel, an 'in house' channel from a camera in their chapel, and an overall better quality picture than before. To achieve this, a new digital headend was installed so digital signals from outside

were converted to analog for distribution to each room and also improvements to their existing cable plan were made, resulting in clearer images. Next a pan tilt colour camera system was setup in their chapel, so when there was a service, residents with restricted movement could view from the comfort of their room. The DVD player from their lounge room was also interfaced with the system so any media played is also broadcast as a TV channel. To cap the job off, all televisions were retuned to the new system, delivering quality TV services for all residents.

### TECHNOLOGY CORNER

Continuing the tradition of offering the latest in technology for projector installations, DIB is proud to offer the new Lumens Digital Presenter as a standard option on all new projector installs. Plugging directly into the VGA or DVi port of the projector, the Digital Presenter acts like an overhead projector, but negates the need for transparencies. Anything that will fit under the camera can be displayed onto your projector, LCD monitor or even TV.

Extra features of the DC150 include laser guiding, which highlights the area to be displayed, a 15x digital zoom, and a separate long life lamp to illuminate the display area. These units are ideal for

science/technology labs, boardrooms and classrooms, where they can enhance the projector installation. These units are also available for existing installations as well as new ones. Please call a DIB solutions consultant for more information.



## FEATURE STORY

### SHELFORD RENOVATES HALL WITH LCD



A few months ago, Marcia Davis, Audio-Visual Manager of Shelford Grammar, contacted us about the possibility of installing a basic LCD projector into their school hall, which had already started renovation at the time. From our investigations and discussions with Marcia and also Robert Braby (Business Manager) amongst others, we were able to develop a full solution. This planning stage involved discussing how the projector would be controlled, how it would work, what it would be used for, whether it would be integrated with the old sound system, the type of sound system required and the future flexibility of the system. One of the main points raised was also the compatibility of their Bio box (where lighting is controlled) at the back of the hall with the new system. It was proposed parts of the system were able to be controlled from there as well as sending audio signals back and forward to the equipment rack. The initial idea of a simple projector projecting onto the stage had evolved into a professional public-address and advanced multimedia projection system. Following design, consultation and approval, the whole system was installed.



#### Some of the features of the system are:

- Very bright 3200 ANSI (Americans National Standard Institute) lumens projector with auto focus and zoom
- Large 180 inch motorized projection screen with automatic and manual control
- Four button wall control (off, on/source select, volume up, volume down)
- 720W rms Speaker system (2 front main speakers, 4 rear speakers)
- Sony 5-disc CD player
- LG Combo DVD/VCR player
- Digital TV

As mentioned in the August Newsletter, Shelford has applied the use of the drama backdrop, whereby the screen is raised and the projector projects an image onto the back wall for drama productions. A training service was provided for all staff as well as AV managers to round out the project, leaving behind a system that was not only advanced, but also one that staff found easy to use.



**top left:** This very bright projector utilises both zoom and focus to deliver a top quality image.

**top middle:** The 4 rear speakers ensure a crisp delivery of audio to the back end of the hall.

**left:** Thanks to good planning early on, construction was successfully completed on time and on budget, with minimal interruption to the school's daily use of the hall. The hall will utilise the projector set up for everything from assemblies to drama productions



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