ISSUE 40

D.I.B AUSTRALIA
Audio Visual Systems

NEWSLETTER

9-11 Percy Street, Heidelberg West, Victoria, 3081 PH (03) 9457 4800 FAX (03) 9457 4801 E info@dibaustralia.com.au

XAVIER COLLEGE, KOSTKA HALL – MULTI-PURPOSE HALL

Xavier College has over 140 years' experience in educating boys from Prep to year 12, and more recently girls from kindergarten to year 4. They are a Jesuit Catholic school with a spiritual tradition of St Ignatius Loyola. They're also part of a larger network of Jesuit schools across the world that were formed in keeping with his vision. Their aim is to develop well rounded Christian pupils with competence, compassion and conscience.

On their Kostka Hall Campus, Xavier College found themselves in a bit of a predicament. They have a Hall that is used for assemblies, physical education, sport, music and various other school functions. **The room is quite airy with plenty of skylights in the ceiling. At one end of the hall they have a stage and they wanted to use this for projection.** Unfortunately because the hall is so light the screen was looking a little pale. They also found that they needed to remove all the projection gear every time they wanted to use the rest of the court or stage and this was time consuming and uncomfortable for those who had to do the heavy lifting.

Kostka Hall's multi-purpose hall

The school needed a system which worked better, could be activated and dropped into place and that met an exacting budgetary requirement. T**he biggest challenge for this was the amount of ambient light in the court.** The other real challenge was that the stage area was fairly small and it made trying to fit a decent screen onto it awkward. It was also important that the final setup made use of their existing sound system. Our consultant met with them and recommended a solution that would suit their needs.

To overcome the brightness we designed a rear projection solution using the Epson EBZ-Z8350W which is an 8500 ANSI WXGA projector. A rear projection solution – essentially is placed behind the screen rather than in front of it, this offers a considerable boost in brightness to overcome the ambient light issue. We also made certain that we selected a black projector in a black cage so as to make it vanish into the back wall so it wasn't distracting when not in use.

A large 150" Screen Technics display screen was used to offer an image large enough to be viewed from anywhere in the court. With a little work it was also easy enough to relocate the audio and speaker controls to a single simplified control that allowed for button push access to the whole system (including the projector).

Epson EBZ-Z8350W in black cage

The school was very pleased with the quality of solutions and was also happy that DIB had access to the lowest and latest pricing that respected their project budget.

For more information on Audio Visual solutions for a multi-purpose hall, please contact a DIB Solution Consultant on (03) 9457 4800.

TENNIS AUSTRALIA – BOARDROOM

Tennis Australia were redeveloping their office space and were building a whole new set of offices above their indoor show courts. They wanted to move their boardroom into this new office suite. They also wanted to ensure that their new space offered better audio visual facilities than the previous one. **In particular they were keen to enjoy the benefits of video conferencing. A key component of their requirements was ease of use** – board members' time is valuable and they didn't want to spend too long training the team on the equipment.

Like Ivanhoe Grammar School (mentioned inside this newsletter) Tennis Australia knew that the best time to work on this project was during the construction phase. Ensuring that they got the best value for money and a system that was a discrete and integrated part of their environment was paramount.

DIB helped them choose two 65" screens to allow for video conferencing throughout the boardroom facility. One is to be used for a near-view of the conversation and one for a far-view.

An Extron Touchlink 7" wall mounted touch panel was then chosen, this meant that they could operate all the controls for their hardware from a single point. This was combined with a Kramer 8x4 HDMI Matrix Switcher, which is a device that allows all the inputs and interfaces to be accessed using the touch panel and ensures that those inputs are of sufficient strength and quality to be appropriately displayed. This meant that the company was able to meet their objectives for ease-of-use whilst ensuring quality throughout the system.

Tennis Australia's new boardroom

Extron control panel

They had already sourced a video conferencing system and it was important to make certain that this was integrated with the other equipment. The cabling also needed to be provided for this and installed in a non-intrusive fashion.

A glass shelf was used to mount the camera equipment so that it looked in keeping with the high-tech environment of the boardroom. The microphone pods were ceiling mounted to make best use of the space. Video conferencing was fully integrated into the audio-visual set up and could be activated with a single touch on the Extron Touchlink.

DIB and the Builder cooperated fully throughout the project to ensure that the equipment didn't intrude in the space and instead felt like a natural part of the building.

For more information on Audio Visual equipment for boardrooms/meeting rooms, please contact a DIB Solution Consultant on (03) 9457 4800.

Also Inside This Issue ...

Epson EB-G5650W in the Central break out area

Lecture Theatre with the Full HD Epson EB-G5750W

Ivanhoe Grammar School – Middle Years Centre

Ivanhoe Grammar School is a multi-campus coeducational Anglican school with a long history of academic achievement and co-curricular opportunity.

The Ivanhoe Campus incorporates Buckley House and The Ridgeway Campus and offers coeducational learning from Early Learning to Year 12. It is Ivanhoe Grammar School's original campus and has earned its outstanding reputation over years of providing leading education possibilities and achievements. The Plenty Campus in Mernda offers boys and girls from Prep to Year 12 in the Northern Region easy access to outstanding educational opportunities.

Ivanhoe Grammar School focuses on the personal, spiritual and academic development of its students which prepares them for life beyond school and gives them an awareness and sense of responsibility about their world.

The new Middle Years Centre at The Ridgeway Campus is an exciting and unique development that provides students with innovative learning spaces and state-of-the-art learning technologies.

Ivanhoe Grammar School wanted to ensure that the space was used as effectively as possible. Fortunately, they knew they needed to look at the audio-visual side during the construction of that building to get the best value for their investment and make sure that the set up was properly integrated as soon as it opened.

The school put together a requirements team that drafted their ideas and worked with DIB to develop the right teaching spaces. They wanted technology to blend into the space and act as a tool for learning rather than for it to dominate the space and be the key focus of the classroom.

Because the team started early they could head off potential problems at the pass with the architects and consultants and ensure that there was sufficient height, elevation and lighting and data access. In the case of the theatre which has a particularly high ceiling it means they could add a Grandview Skyshow screen that drops from the ceiling when needed.

The practical approach also meant that they could add interactive projector functionality in the classroom. That's something they'd previously considered but weren't certain of the value in implementation. Of course, Ivanhoe Grammar School wanted to be certain that they could upgrade their facilities and the Audio-Visual racks were designed to allow for an Apple TV connection in the future.

The final result is so discrete it's hard to believe how much of a difference that involving an AV team in the early phases of a project can make. The projector connections are nearly invisible, speakers are recessed wherever possible, and some of the projectors are on motorised platforms to disappear into the ceiling when not required.

The new building uses a variety of equipment including the EB-485 Wi interactive projector in the classrooms, Screen Technics motorised lifters for open spaces coupled with Screen Technics ElectriCinema motorised screens on Epson EB-G5650W projectors providing optical lens shift to avoid in ceiling obstacles.

The dedicated Theatre made use of Full HD Epson EB-G5750W projector with Grandview Skyshow 150" double motorised screen with an array of both HDMI and VGA inputs, Lectrum lectern, control system, energy saving features and more.

Key to the success of this project was the design works completed by DIB pre-tender in consultation with Ivanhoe Grammar's Architect and Consultants.

For more information on how we can help design your Audio Visual requirements during the construction phase of your project, please contact a DIB Solution Consultant on (03) 9457 4800.

The EB-G5650W in a retractable ceiling lifter

Epson EB-485Wi in a classroom

Philips commercial LED screen in the Meeting Room

Internet Broadcast school events

Video streaming and archival for video on demand is a hot topic and one that seems to be filled with confusion and fear – but there is no need for it to be! Corsair offers a range of video streaming solutions and we'd like to highlight one of those to you today. The Viewcast Niagara 2200 is a small, dedicated streaming appliance which can offer high quality live streaming and archival storage of your events in industry standard formats such as Windows Media, Flash and many others.

You can stream internally, campus to campus or to the internet, as well as to network storage for video-on-demand playback. Programmed via a web interface, and then controlled via simple front panel buttons or an external control system, the Niagara 2200 allows robust, professional quality video streaming without an operator having to have any technical knowledge. Just start and stop the streams and you are done! You can feed it with a camera, or the output of a vision mixer or any other video source you wish to stream or record.

The Niagara 2200 is a single stream product for standard definition video.

Apart from a streaming solution the only other things you will need is adequate uplink from your site and a Content Distribution Network to send your video to, if you wish to stream to the internet. This is a special kind of web hosting which is designed to facilitate the video streaming for all your viewers. You can get this from your ISP, or through dedicated hosting providers. The costs are lower than you might think!

For further information on the Niagara 2200 please contact a DIB Solution Consultant on (03) 9457 4800.

HINTS & TIPS

USB and Epson Interactive Projectors

With the current model, the EB-485 Wi, if you had your USB input working with a VGA connection and you wanted to switch that to work with an HDMI connection you would have to physically go into the menu of the projector and change it each time. This happening over a course of different lessons can prove to be quite cumbersome. This is why with Epson's new 1400 Series of interactive projectors, when the input is changed from the VGA to the HDMI the USB input automatically changes with it. As well as this the new models feature a display port input as well.

For help with the USB input for the EB-485 Wi or for more information on the new 1400 series projectors, please contact a DIB Solutions Consultant on (03) 9457 4800.

DIB Celebrates 12 Years working with the Australian Open

australian open
The Grand Slam of Asia/Pacific

DIB have worked with the organizers of the Australian Open to ensure that 500 temporary radio frequency transmission points were installed throughout the Melbourne and Olympic Parks precinct. This allows the installed TVs to receive and display distributed signals and ensures that everyone can keep up with the action.

We've also installed a new digital head end for the distribution of 39 separate TV channels to these sets. We were also making sure that the system was available right throughout the whole tournament.

This year we've added a computer facility that allows text and images to be displayed on these feeds in full High-Definition.

In addition we've been working to link the National Tennis Centre with the overall TV system using fibre optic cables and digital signal convertors.

We're sure that tennis fans have really enjoyed the results and we wish the Australian entrants luck in the remaining Grand Slams.

D.I.B AUSTRALIA Audio Visual Systems

Member infoComm INTERNATIONAL