CASE STUDY
AV Technology for Conference Halls

An AV Installation for the history books

► The AV rack nicely matches the training room design and layout.

ABOUT THE CUSTOMER

The Spanish Agency for International Cooperation and Development (AECID) is a branch of the Spanish foreign ministry, that has lately developed a network of education centres in different parts of Latin America.

THE REQUIREMENT

Create three multimedia training and presentation spaces in a XIX century building, located in the historical section of Montevideo. The facilities have to be simple in operation and suitable for all types of activities, including training sessions, conferences, presentations and diplomatic events.

THE CHALLENGE

The law prohibits any changes to the structure and/or appearance of this historical building, thus all cabling must be invisible and any devices must disappear from sight (if possible) when not in use. With no specialist operators, the systems must be simple to operate with all complexity hidden from the user. Information display and audio conferencing must adapt to a variety of floor plans with dynamic seating and furniture arrangement schemes. The system must handle a large variety of signal inputs, including composite video, s-Video, DVI, and computer graphics.

THE SOLUTION

Self-contained, transportable racks were developed for each room with integrated control systems to enable non-technical personnel to easily operate the system. Two rooms in the (originally) residential part of the building were equipped with projectors and screens that disappear into pieces of furniture. The microphones in all rooms are wireless to provide a minimal footprint and complete flexibility in seating arrangements.

CUSTOMER BENEFITS

As required, the AV installation does not intrude upon the rooms, is available for use on immediate notice, and in extreme cases can be quickly and easily removed from the rooms.

The installed systems are state-of-the art both in signal management and projection. The whole installation has ample room for growth and provides a top-of-the-line environment for conducting seminars, training sessions and conferences.
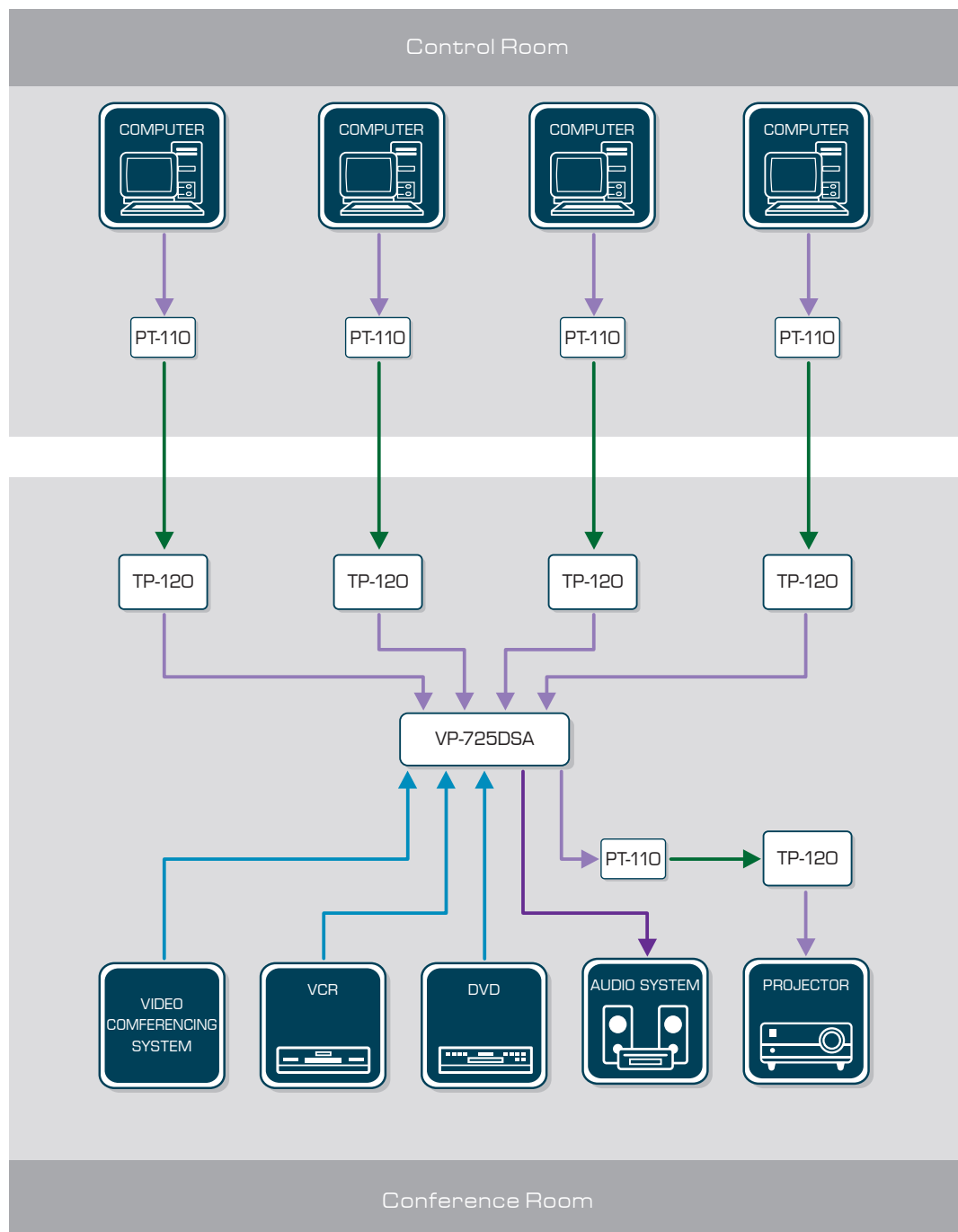
THE PROJECT DETAILS

All three racks are essentially similar. The basic installation for each room includes the following systems: a Kramer VP-725DSA scaler (used both as a scaler and switcher), a Sony SRP X500 sound amplifier/mixer, a Kramer RC-8IR control system, a beyerdynamic MCW-D50 wireless conference system controller, an Avocent wireless VGA transmitter, and a DVD player/recorder with tuner. The rack also contains several Kramer VGA/UTP interfaces that receive signals from computers throughout the room for processing in the scaler and transmission to the projectors.

The cornerstone of the system is the highly-sophisticated Kramer VP-725DSA switcher/scaler. It concentrates the signals and provides single point source selection. It scales every signal to the projector's optimum and simplifies signal distribution to the projector with the added benefit of streamlined control system programming. The audio source is directed to a heavy-duty sound amplifier with two wireless microphone receivers in the presentation and conference room. Presenters use handheld and belt-pack microphones to communicate with larger audiences and having both of them is an useful addition in such cases.

▶ The Kramer VP-725DSA is the heart of the AV system.

▶ Mission accomplished - AV system in a classic building.

Control Room

| COMPUTER | COMPUTER | COMPUTER | COMPUTER |

| PT-110 | PT-110 | PT-110 | PT-110 |

| TP-120 | TP-120 | TP-120 | TP-120 |

VP-725DSA

PT-110 → TP-120

| VIDEO COMFERENCING SYSTEM | VCR | DVD | AUDIO SYSTEM | PROJECTOR |

Conference Room

Cables:	Devices:
VGA cable	PT-110 - Computer Graphics Video over Twisted Pair Transmitter
Audio cable	TP-120 - Computer Graphics Video over Twisted Pair Receiver
CAT 5 cable	VP-725DSA - 18-Input ProScale™ Presentation Digital Scaler /
Video cable	Switcher with Balanced Stereo Audio

KRAMER