ATEN Media Matrix Solution Allows University to Effectively Deliver Multimedia Exams to Multiple Classrooms

Overview: University

A university has established an IDC (Internet Data Center) on its new campus. With increasing demand for multimedia exams, the university is looking for a professional A/V solution to meet the following requirements:

- Deliver exam questions from 2 computers in the IDC to 4 classrooms – each classroom has 2 screens to display the questions
- Transmit A/V signals over long distance – the IDC is located away from the classrooms
- Support multiple exam question mode delivery – such as both audio and video, video only, or audio only
- Work seamlessly with the existing IT environment control system in the IDC

Solution

VanCryst™
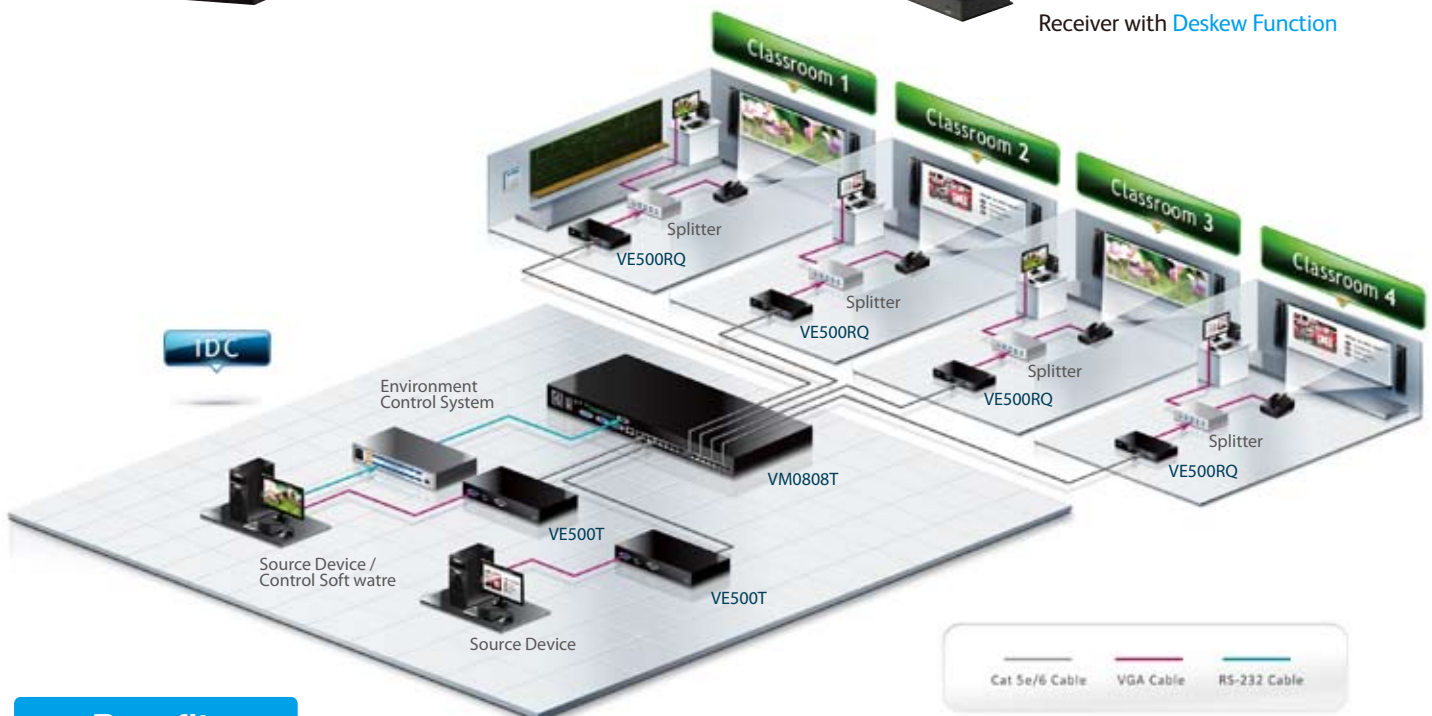Professional A/V Solutions by ATEN

ATEN Media Matrix Solution is a combination of an A/V Matrix Switch and an A/V Over Cat 5 Extender

VM0808T
8x8 Cat 5 A/V Matrix Switch

VE500T / VE500RQ
A/V Over Cat 5 Transmitter / Receiver with Deskew Function

Benefits

- **Multimedia exams can be conducted more efficiently** - different exam questions can be delivered to multiple classrooms and displayed on two screens in each classroom with the use of the existing video splitter.
- **A/V signals can be seamlessly delivered from IDC to the classrooms -** the solution permits HD video signals to be transmitted over distances of up to 300 meters between VE500T transmitters and VE500RQ receivers.
- **Satisfy the demands for all kinds of multimedia exam questions -** VM0808T allows independent switching of all audio and video sources, which provides the ultimate in flexibility.
- **Support RS-232, fully compatible with existing infrastructure -** VM0808T offers RS-232 command functionality and is compatible with most control systems on the market. Simply connect the VM0808T to the existing control system via its RS-232 port to easily switch A/V inputs and outputs in classrooms.

Features

VM0808T
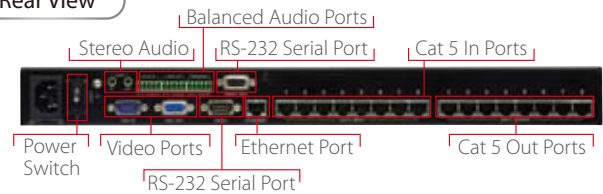## 8x8 Cat 5 A/V Matrix Switch

- Connect any of 8 Cat 5 A/V inputs to any of 8 Cat 5 A/V outputs in combination with ATEN VE500 A/V Over Cat 5 Extender system
- Easily switch between multiple sources and multiple displays
- Supports additional local input and local display - provides an extra input / output source
- Flexible configuration and control
  - Local Operation: Front panel LCD display and pushbuttons + Serial controller
  - Remote Operation: Browser-based Graphical User Interface (GUI) + Telnet
- Serial RS-232 support
- Independent switching of audio and video sources - any audio source can be connected to any video source for output flexibility
- Automatic and adjustable video and audio quality

Front View

LCD Monitor   Front Panel Pushbutton

Rear View

Balanced Audio Ports

Stereo Audio   RS-232 Serial Port   Cat 5 In Ports

Power Switch   Video Ports   Ethernet Port   Cat 5 Out Ports

RS-232 Serial Port

VE500
A/V Over Cat 5 Extender with RS-232, Balanced Audio

- Use Cat 5e cable to connect the Transmitter(VE500T) and Receiver (VE500R/VE500RQ)
- Long distance transmission up to 300m
- Superior audio quality — balanced audio provides flawless long-distance transmission
- Automatic and adjustable gain control — adjust signal strength to compensate for distance
- Provides RS-232 channel
- Patent Deskew Function (VE500RQ) - automatically synchronizes the time delay of RGB signals to compensate for distance

VE500T | Transmitter

Front View   RS-232 Serial Port

Video In Port   Audio In Port

Rear View   Audio Out Port   Video Out Port

Balanced Audio In/Out Ports   Unit to Unit Port

VE500RQ | Receiver

Front View   RS-232 Serial Port   Video Compensation Link/Power LED

Video Compensation Pushbutton

Rear View   Audio Out Port   Video Out Port

Balanced Audio Out Port   Unit to Unit Port

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