

HyperNet Installs ATEN's HDMI Matrix Switch to Create an Integrated Video Conferencing Environment



Client: HyperNet CO., LTD.

HyperNet CO., LTD. is a broad-band application and conference center systems integration planning company. Since being established in 1994, HyperNet has focused on importing the newest technology products related to and specializing in conference systems setup and comprehensive multimedia integration. HyperNet has five service locations in Taiwan and China, providing customers with professional conference integration services.

Challenges

- ♦ To switch multiple HDMI source signals among multiple HDMI displays during a conference.
- ♦ Integrate with a video conference system and transmit signals to remote sites over the internet.
- ♦ Centralized control of all equipment is required, with a large number of devices setup in conference rooms.

Solution

- ♦ VM0404H x 1
4x4 HDMI Matrix Switch

Benefits

- ♦ Easily connect 4 HDMI sources to 4 HDMI displays; with real-time transmission and video switching without distortion.
- ♦ Expansion of all connected equipment through the VM0404H allows for multi-location - matrix video conferencing.
- ♦ High stability and compatibility; all equipment easily integrates with the video conference and environmental control systems.

Challenges

HyperNet CO., LTD. understands that video conferencing, remote teaching, communication integration, and synchronized multimedia recording with broadcasting technologies are applied widely in today's conference rooms - and affect meetings efficiency greatly. As conference room environments and systems get more complicated, the performance of each factor involved; video, audio, lighting, multimedia devices and software- will greatly affect the over-all meeting experience and effectiveness.

In order to allow customers to experience the power of integration, and its effect on the communications of a conference, HyperNet built a multifunction C&C (Communication & Conference) room with integrated video communications and multimedia equipment at its headquarters in Taipei. The company installed multiple HDMI displays, high resolution camcorders, Blu-Ray players, computers, audio components, and video conference systems in the conference room in order to transmit local and remote video and computer displays for playback. To organize such a complicated setup, HyperNet implemented an environmental control system for the HDMI video sources and displays; meeting the need of multi-in/multi-out A/V signal transmissions by installing an A/V Matrix Switch Solution featuring the ability to cross-switch between multiple HDMI signals. The solution integrates the video conference and environmental control systems, and enables centralized control of all multimedia equipment.

Solution

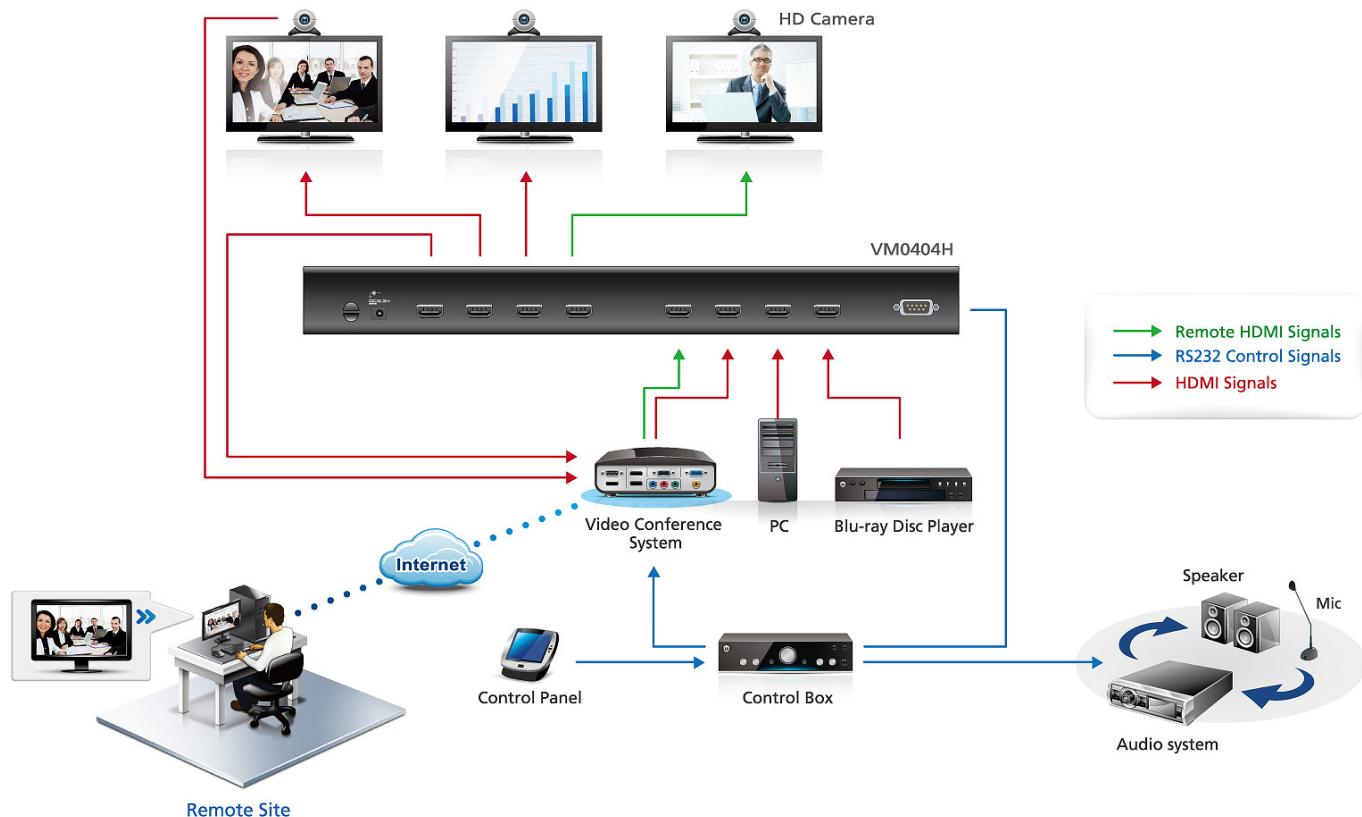
With high compatibility, the ATEN 4x4 HDMI Matrix Switch easily integrates into the video conference and environment control systems

After careful consideration, HyperNet decided to use the ATEN



VM0404H
4x4 HDMI Matrix Switch

VM0404H 4x4 HDMI Matrix Switch - to connect all video source and display equipment within the conference room. Users can easily switch multiple video sources between multiple displays through the HDMI Matrix Switch. With the built-in bi-directional RS-232 serial port, the VM0404H can be easily integrated with the environmental control system. Users only need one touch panel controller to effectively control all the video source and display equipment, and can command the VM0404H to perform signal switching.



Benefits

Easily expands connected equipment for multi-location video conferencing

In addition to displaying video sources locally, HyperNet also wanted to transmit the signals to a remote site through the video conference system. Considering the high cost of multi-port video conference systems, HyperNet instead chose to install ATEN's VM0404H to expand all of the equipment and lower the systems installation costs. Now all video signals can be switched and delivered to the video conference system, then transmitted to remote sites over the internet. The local and remote displays have the flexibility to be switched at any time - according to the users' needs; allowing multi-locatoin conferences to be conducted dynamically and with ease.

RS-232 connections provide high compatibility, allowing integration with the environmental control system, simplifying management

The VM0404H supports RS-232 connections, which allow integraton with the environmental control system and multimeida equipment. Because all the equipment is integrated into the environmental control system, users have centralized control to switch between all multimedia equipment through a single touch panel controller, and are thus able to simplify systems management and operations- in action.