ATEN Professional AV Solution Helps Provide an Exceptional Prayer Environment for a University in Malaysia

Overview: University
A university in Malaysia wants to construct a new mosque on campus for its students’ prayer times. The university installs a digital signage system in the mosque to broadcast religious programs. In addition, the university also needs an A/V extension solution to satisfy the following requirements:
1. Transmit audio/video content from a laptop to multiple displays
2. Provide an extended signal transmission distance
3. Be compatible with their existing digital system and be easy to switch among multiple signal sources

Solution

- **VS1204T x 1**
  4-Port A/V Over Cat 5 Splitter

- **VE170RQ x 2**
  A/V Over Cat 5 Receiver

- **VS134A x 1**
  4-Port Video Splitter

- **VS201 x 3**
  2-Port Video Switch

Benefits

- **Multiple display support** – transmits A/V signals to projectors and LCD monitors from a source laptop
- **Long distance transmission** – uses Cat 5e cable to connect VS1204T transmitters and VE170RQ receivers to extend the signal transmission distance by up to 300 m
- **Superior A/V Quality** – provides crisp, clear video images (up to 1920x1200)
- **Easy Switching** – when the laptop gets connected to the digital signage system, the VS201 automatically detects it and switches to the incoming source
**Case Study**

**VS1204T**
4-Port A/V Over Cat 5 Splitter

- One audio/video input to 4 audio/video outputs via Cat 5e cable
- Supports local display + 4 remote displays
- Supports up to 225 MHz bandwidth
- Uses Cat 5e cable to extend the display distance by up to 300 m
- Superior video quality – up to 1920 x 1200@60Hz
- Audio enabled (mono)
- Built-in 8KV/15KV ESD protection
- Rack-mountable

**VE170RQ**
A/V Over Cat 5 Receiver

- Uses Cat 5e cable to connect the transmitter and receiver units
- Supports one local and one remote display
- Long distance transmission of up to 300 m
- Deskew Function - allows time delay synchronization of the RGB signals to compensate for distance
- Superior video quality - 1920x1200 @ 60Hz (150 m); 1280x1024 @ 60Hz (300 m)
- Audio enabled (mono)
- Adjustable gain/compensation control
- Built-in 8KV/15KV ESD protection
- Rack-mountable
**VS134A**  
4-Port Video Splitter  
- One video input to 4 video outputs  
- Supports up to 450 MHz bandwidth  
- Cascadable to 3 levels - provides up to 64 video signals  
- Long distance transmission - up to 65m  
- Superior video quality - up to 2048 x 1536  
- Supports VGA, XGA, SVGA, UXGA, QXGA, WUXGA and multisync monitors  
- Built in 1.5 GHz amplifier to ensure excellent video fidelity  
- All-metal casing

**RS201**  
2-Port Video Switch  
- Displays the video output of two computers on a single monitor or projector  
- Automatic incoming signal selection (Auto)  
- Quick and easy switching via slide switch  
- Long distance transmission – up to 65 m  
- Superior video quality – up to 1920 x 1440  
- Supports VGA, XGA, SVGA, UXGA and multisync monitors