

## Modular Matrix Switch for a Hospital's CCTV Control Room

### VM1600 Matrix Switch with Multiple Interface Connections

#### OVERVIEW



#### B Medical Center

B Medical Center is the largest capacity medical center in the Gyeongnam region. Recently the hospital bought some new medical equipment. To mitigate the security concerns surrounding the new equipment, a CCTV control room was established, along with a security system upgrade. To monitor the various security camera feeds, a matrix switch needs be implemented.

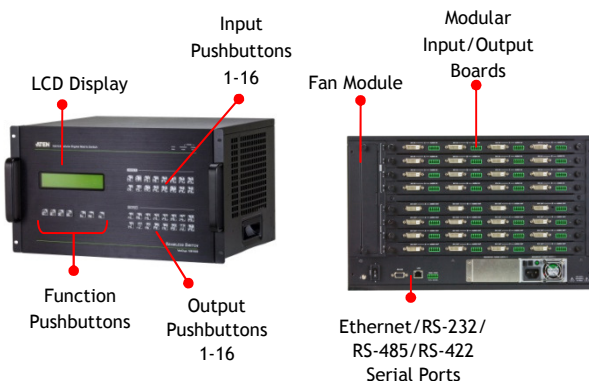
#### CHALLENGES

- Continual video streaming and switching of source devices
- Should provide video scaling and video wall functionalities
- Analog VGA source needs to be converted and displayed on a DVI monitor
- Modular Matrix Switch is necessary for future expansion

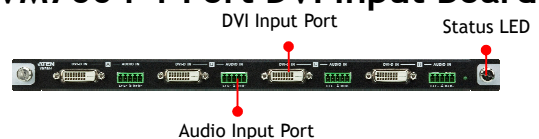


#### ATEN SOLUTION

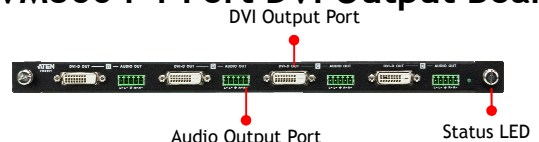
##### VM1600 16x16 Modular Matrix Switch



##### VM7604 4-Port DVI Input Board



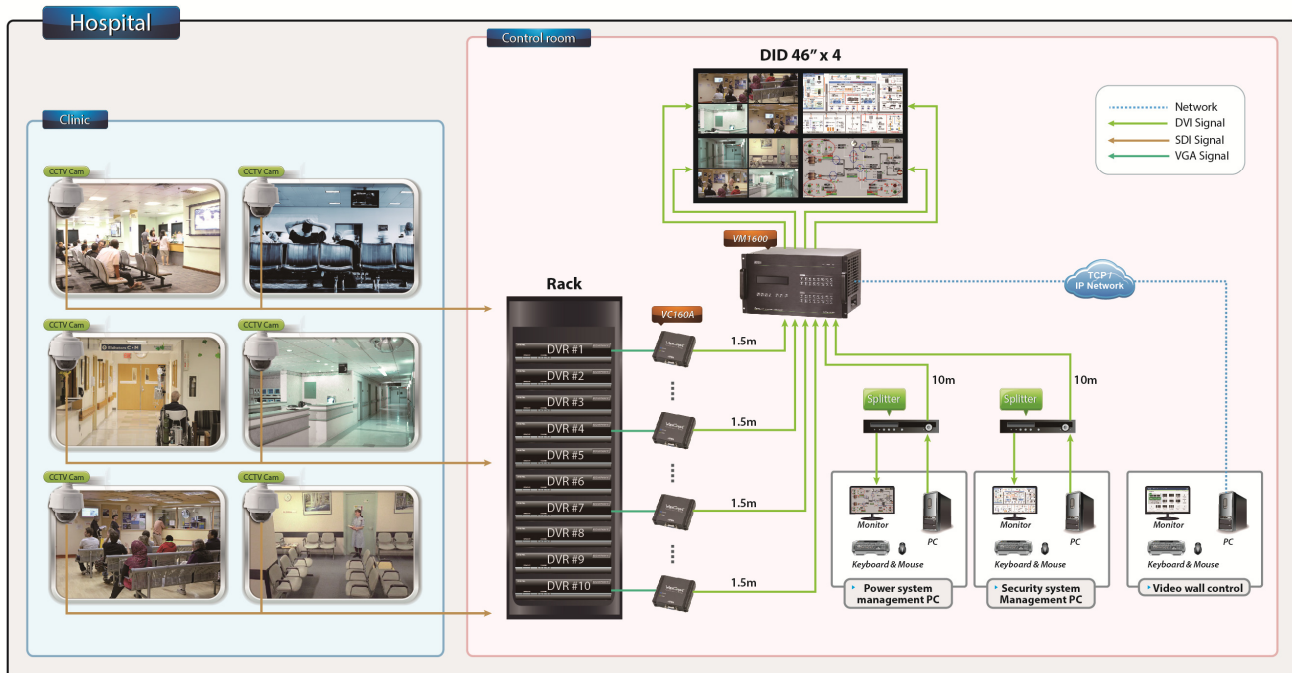
##### VM8604 4-Port DVI Output Board



##### VC160A VGA to DVI Converter



## SOLUTION ARCHITECTURE



## FEATURES & BENEFITS

- The VM1600 is a 16x16 Modular Matrix Switch equipped with automatic signal conversion which allows any combination of digital video formats (DVI,HDMI)
- Seamless Switch™ - provides continuous video streams, real-time switching and stable signal transmission
- Built-in scaler on each output port supports the scaling of different video resolutions on various displays
- Video wall function integrated into the VM1600 at no additional cost
- The VC160 VGA to DVI converter allows analog VGA signals to be converted into DVI digital signals

***"The implementation of the ATEN 16x16 Modular Matrix Switch not only allowed for various video formats to be displayed on our monitors, but also gave us the ability to create a video wall at no additional costs. For us, the modular matrix switch was the best solution because it allows for further expansion in the future."***

