ATEN Video Matrix and Over IP Equipment Usage: Control Room CCTV Support
VM1600 Modular Matrix Switch & CN8600 DVI KVM Over IP

OVERVIEW: F Army

F Army wishes to install multiple CCTVs around their base which they will continuously monitor. Currently, only the monitoring centre controls and monitors the DVR server, but plans are in place to allow the meeting room and commander's office to also monitor it in order to strengthen the security system.

CHALLENGES

- The DVR monitor must be controllable at the control center that is around 2~3km away.
- The DVR monitor must be observable from the commander's office and the meeting room.
- It must support a DVI interface.
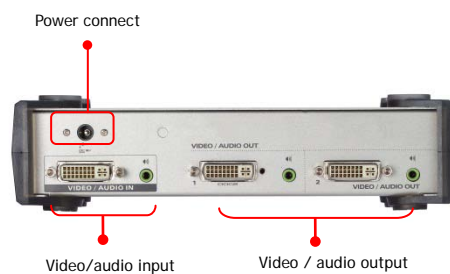- The screen transition speed should not hinder work.

ATEN SOLUTION

VS162
2-Port DVI Video Splitter

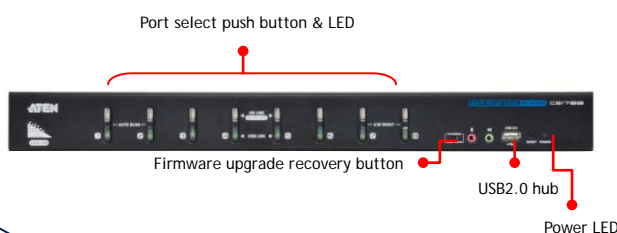Link LED & power LED

Power connect

Video/audio input   Video / audio output

CS1788
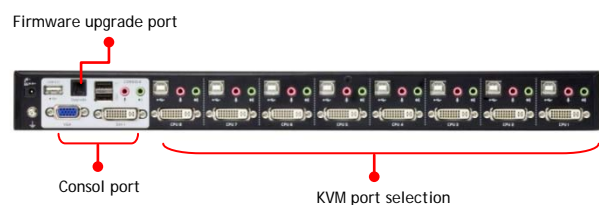8-Port USB DVI Dual Link KVM switch

Port select push button & LED

Firmware upgrade recovery button
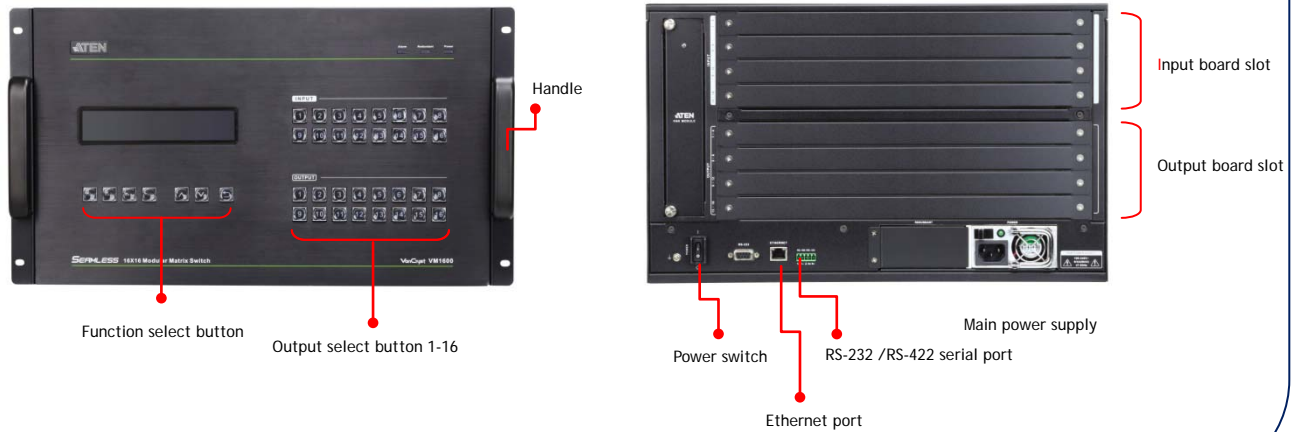
USB2.0 hub

Power LED

Firmware upgrade port

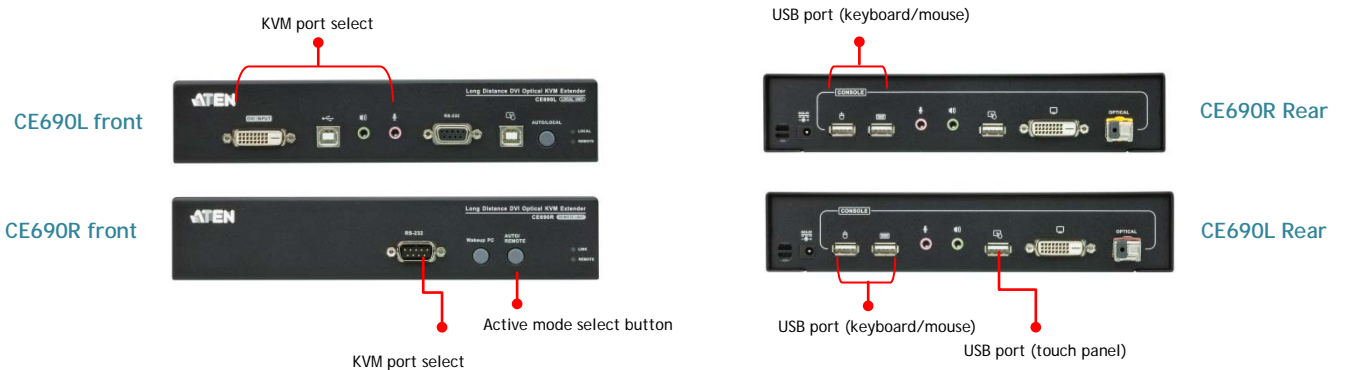Consol port   KVM port selection

ATEN SOLUTION

VM1600
16 X 16 Modular Matrix Switch

Handle

Input board slot

Output board slot

Function select button

Output select button 1-16

Power switch

RS-232 /RS-422 serial port

Main power supply

Ethernet port

CE690
DVI KVM Optical extender

KVM port select

USB port (keyboard/mouse)

CE690L front

CE690R Rear

CE690R front

CE690L Rear

Active mode select button

KVM port select

USB port (keyboard/mouse)

USB port (touch panel)

CN8600
DVI KVM Over IP

Consol port

PC / KVM port

PON/serial port

LAN 2 10/100/1000 LED

Virtual media port/ LUC port

LAN port

Reset button
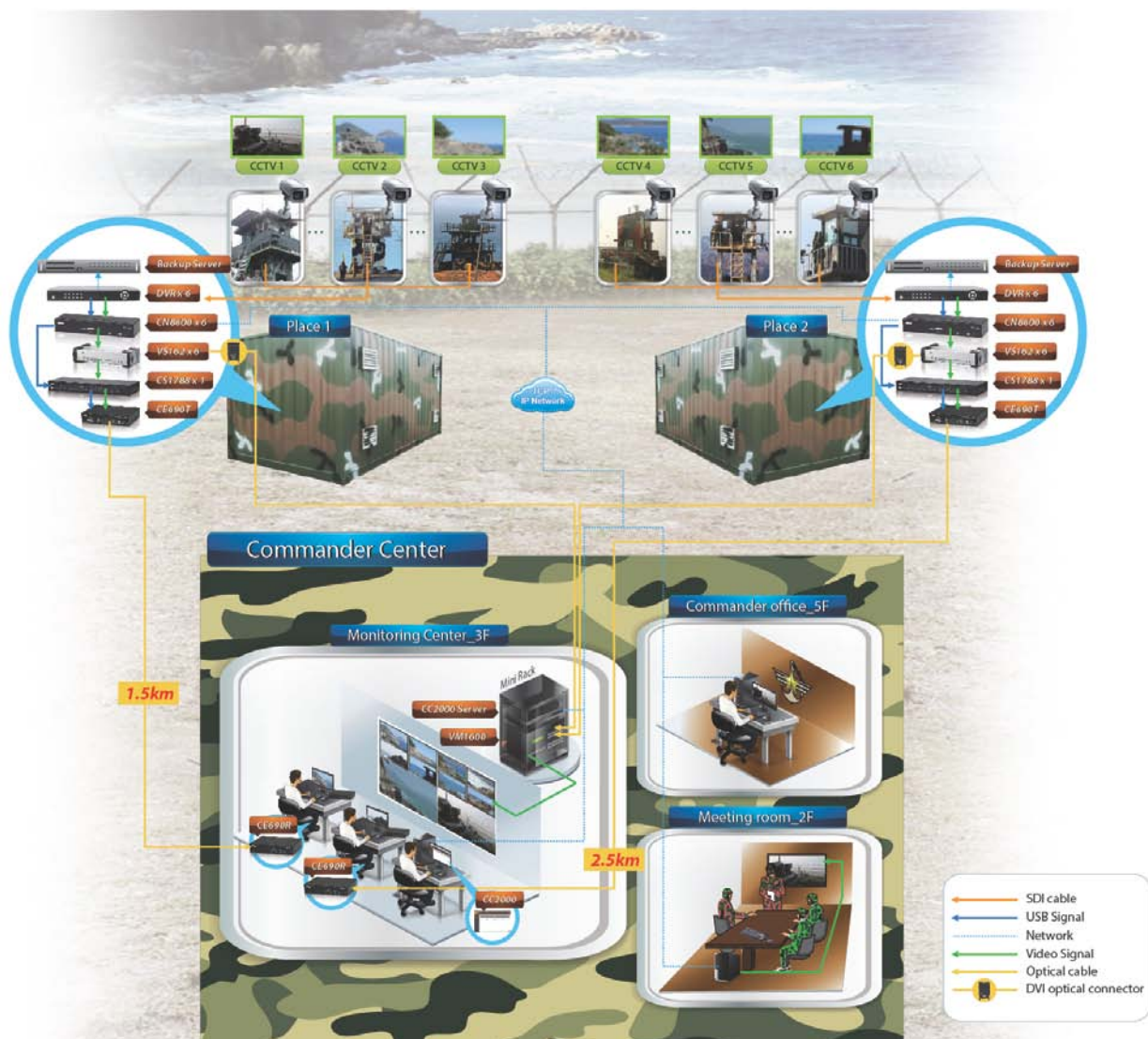
SOLUTION ARCHITECTURE

FEATURES & BENEFITS

- The CE690 optical repeater provides real-time control of the monitoring center? Located 2.5km away (maximum distance 20km).

- The CN8600 uses excellent compression technology that allows DVR monitoring in the commander's office and the meeting room by transferring multimedia data through the network.

- Through CC2000's integrated management software, users can implement a Single Login, Single Portal, and Single IP to conveniently access the CN8600 remotely to check the DVR monitor.

- The VM1600's Seamless Switch enables smooth screen transitions and makes it is possible to easily create a profile through the web GUI and transfer VM1600 ports from the commander's office PC.