



# Classroom & Digital Signage Solution

Supported by ATEN Video over IP and Control System Solutions



Education

## Case study

Tusdata

Turkey



## About Tusdata

Tusdata, a medical training center located in Ankara, Turkey, was planning to move its main facilities to a new location in a high-rise building. In order to continue providing the best medical training in Turkey for physician candidates preparing for placement examinations in the health sciences, the school required a network of online classrooms on five floors, plus a digital signage system across eight floors.



## Requirements

- **Centralized control and matrix content switching management**  
Need a central video control and matrix switching system to distribute lecture content and NVR videos in five classrooms.
- **Intuitive and easy-to-use control interface**  
Simplicity and ease of operations for staff.
- **HDMI and VGA connectivity**  
Four projectors in every classroom with HDMI and VGA support throughout.
- **Signal extension**  
Long-distance high-definition video for independent digital signage system across eight floors.



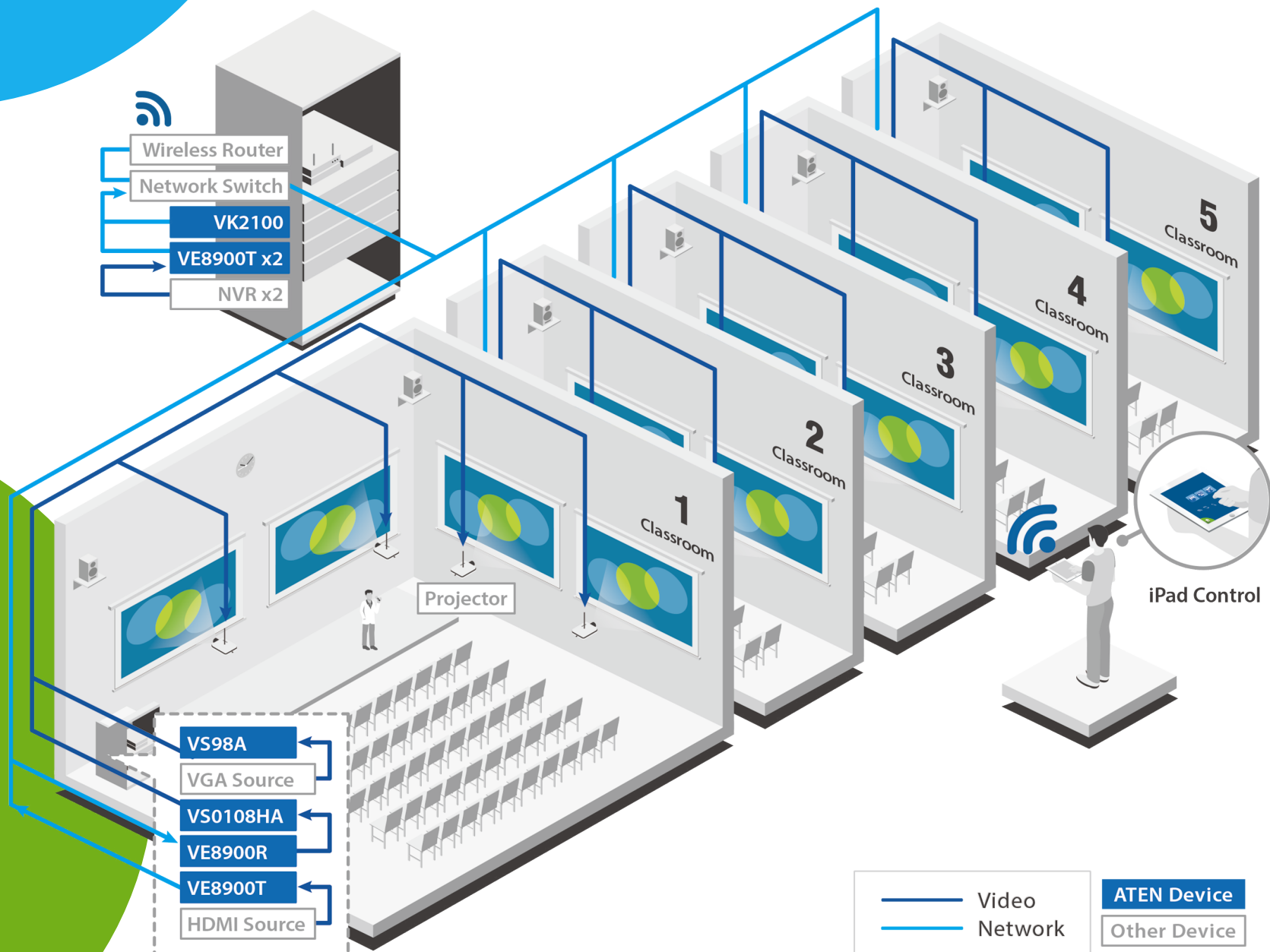


## VE8900 HDMI over IP Extender

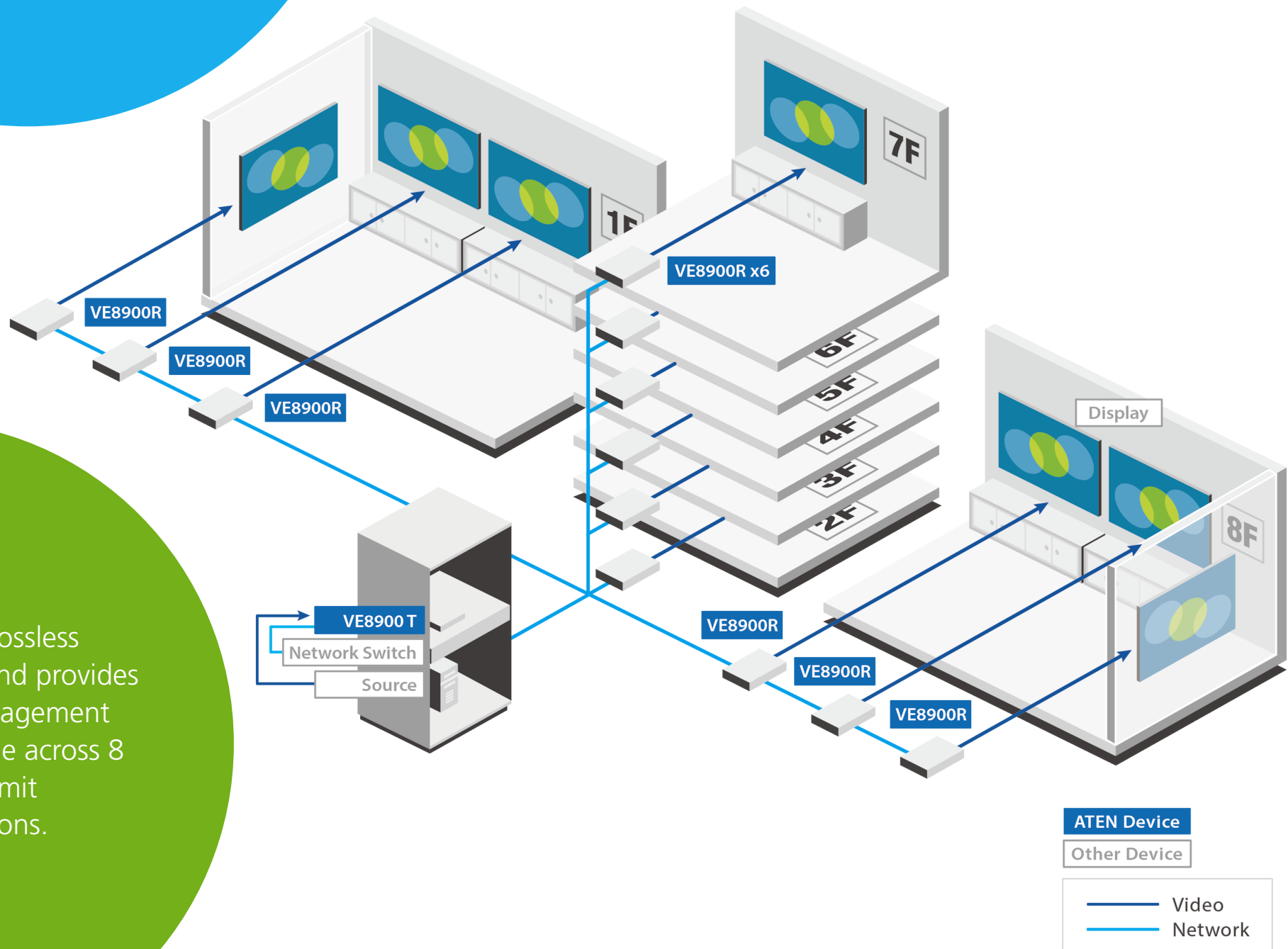
### Benefits

- **Superior 1080p video over IP**  
Stable and low-latency 1080p video delivered in a matrix configuration across multiple locations at long distances over Ethernet.
- **Flexibility and scalability**  
ATEN video over IP solution offers great flexibility to transmit content where you want by breaking location and distance limitations. The system also offers unlimited future expansion.
- **Easy centralized control**  
Centralized control and matrix switching of multiple video sources in 5 classrooms and displays on eight floors via a tablet.
- **Daisy chaining to extend further**  
Expand AV network coverage without cable clutter or consuming extra network switch ports.

# Perspective Diagram



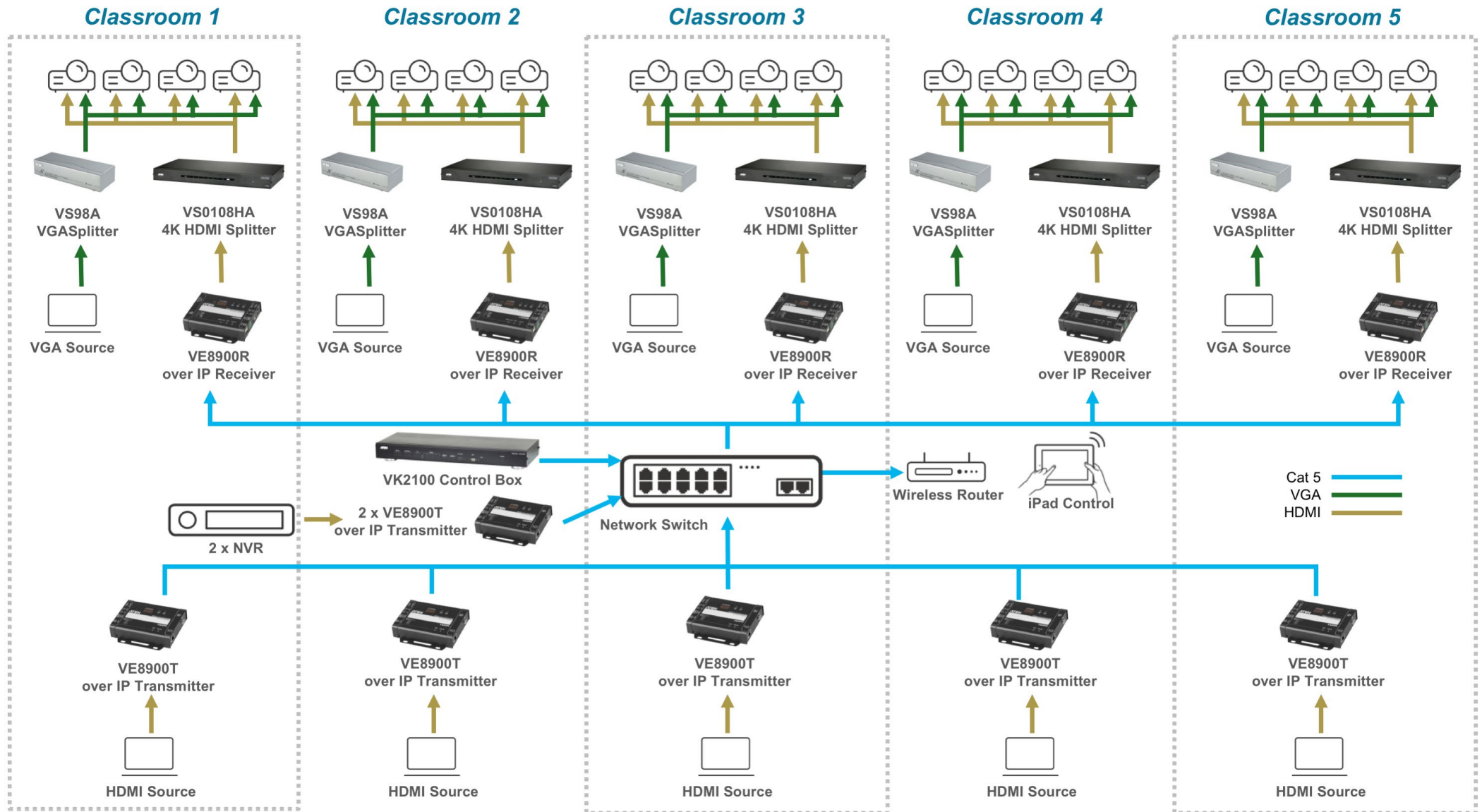
# Perspective Diagram





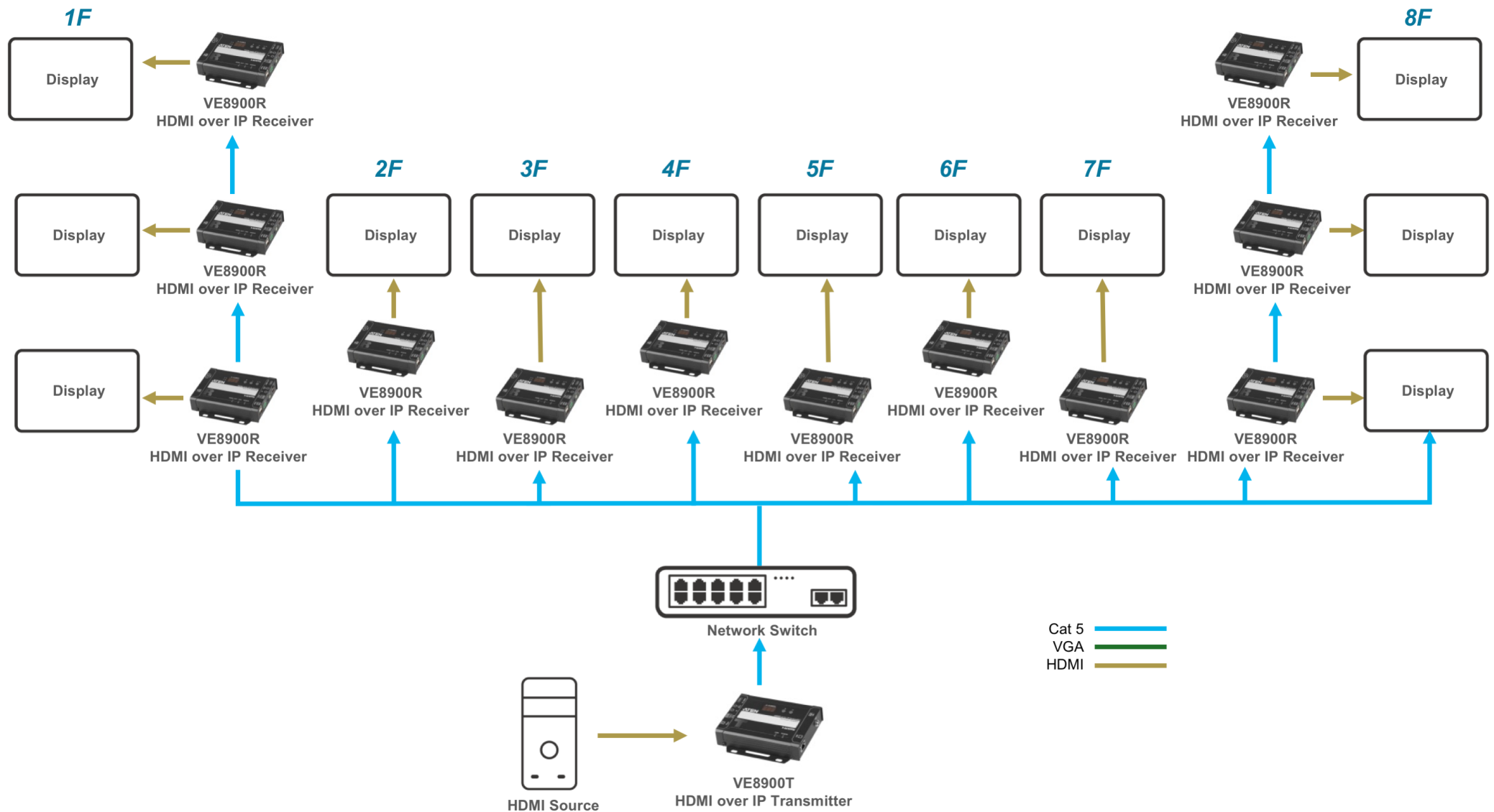
# Connection Diagram

## Classroom



# Connection Diagram

## Digital Signage





# Products

VS0108HA

## 8-Port 4K HDMI Splitter

- 1 HDMI input to 8 HDMI outputs
- Up to 4096 x 2160 @60Hz
- Bi-directional RS-232 control
- EDID Expert
- Rack-mountable



x5

VS98A

## 8-Port VGA Splitter

- 1 VGA input to 8 VGA outputs
- Up to 1920 x 1440 @ 60Hz
- Support 350MHz bandwidth



x5

VE8900

## HDMI over IP Extender

- 1080p @ 60Hz
- Daisy chain
- Support vertical displays
- Integrates with ATEN Control system
- Touch screen support (USB)
- IR, serial bi-directional by-pass



Tx8

Rx17

VK2100

## Control Box

- Various interfaces: 6 Serial ports, 4 IR/Serial ports, 4 Relay channels, 4 I/O channels, 1 Ethernet port
- KNX compatible
- Expansion boxes and keypads available



x1

VC180

## VGA/Audio to HDMI Converter

- Dual power support
- Automatic detection of input video signals



x5



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