ATEN

Digital Signage and Surveillance Solution
by ATEN Video over IP Extenders

Leisure &
Entertainment

Case Study

KidsHouse

Slovakia

## About KidsHouse

A health and fitness center located in Bratislava was expanding its premises and increasing the range of leisure and entertainment activities for customers. The expansion involved three new activity areas spread across two floors and required a digital signage and surveillance solution to display instructional videos and television content, as well as provide centralized monitoring and surveillance of the activity areas.
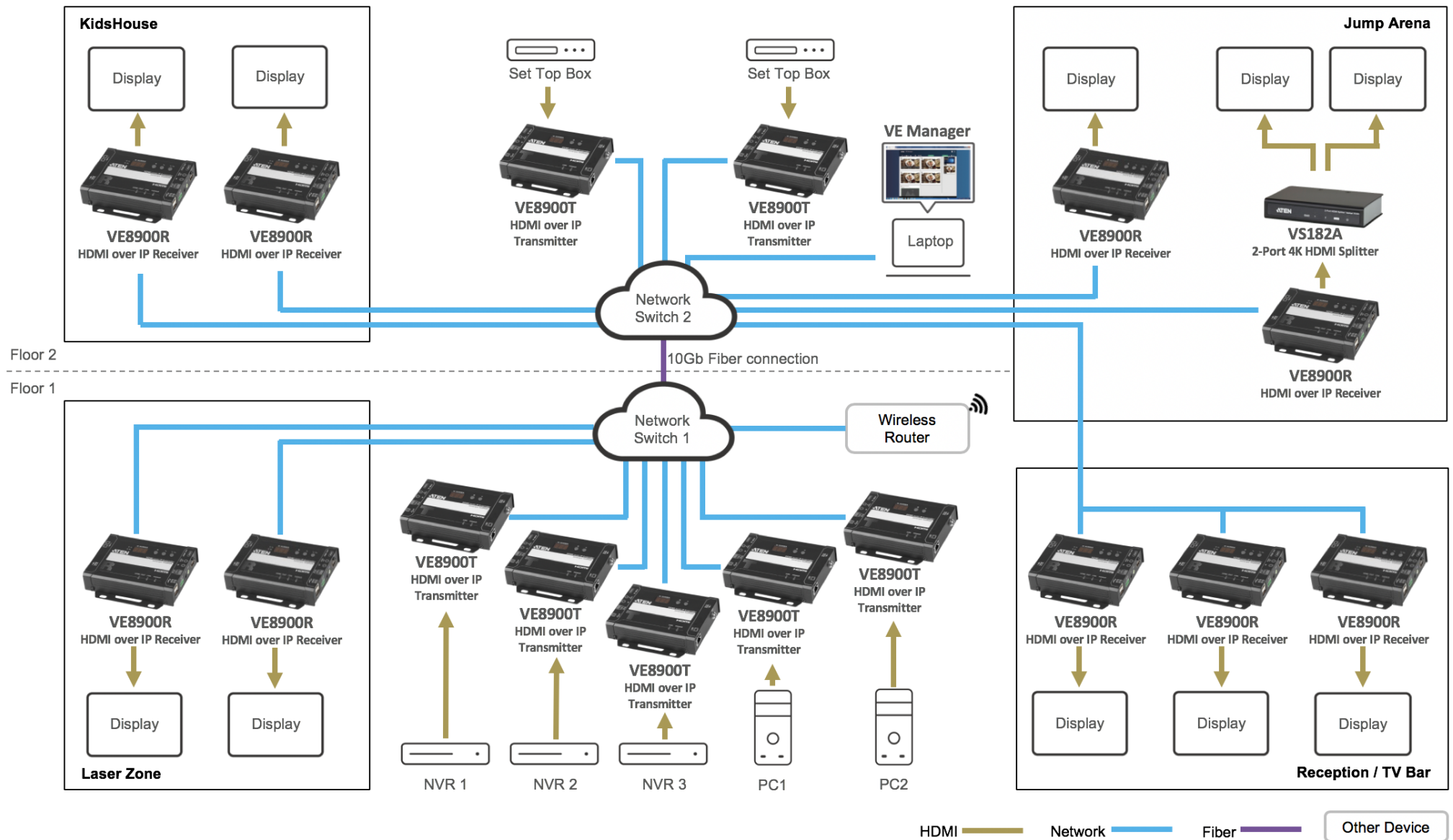
# Requirements

- High quality video transmission over long distances across a widely distributed area

- Solution needed to be easy to set up and operate

- Flexible and scalable solution for future expansion

- **Superior Video Quality over Long Distance**
  Ensures stunning 1080p video quality with low latency using ATEN advanced visually lossless compression technology.

- **Easy to Use with No Complicated IP Setup**
  The VE8900 offers easy configuration using web interface; the selection of inputs and outputs can be performed using a browser.

- **Limitless Scalability and Flexibility**
  The network can be easily expanded by simply adding more transmitters and receivers.
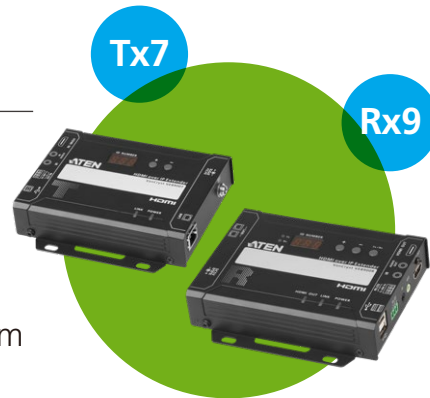
# Connection Diagram

**KidsHouse**

Display

Display

VE8900R
HDMI over IP Receiver

VE8900R
HDMI over IP Receiver

Set Top Box

Set Top Box

**VE Manager**

VE8900T
HDMI over IP
Transmitter

VE8900T
HDMI over IP
Transmitter

Laptop

**Jump Arena**

Display

Display

Display

VE8900R
HDMI over IP Receiver

**VS182A**
2-Port 4K HDMI Splitter

VE8900R
HDMI over IP Receiver

Floor 2

Network
Switch 2

Floor 1

10Gb Fiber connection

Network
Switch 1

Wireless
Router

VE8900R
HDMI over IP Receiver

VE8900R
HDMI over IP Receiver

**Laser Zone**

Display

Display

VE8900T
HDMI over IP
Transmitter

VE8900T
HDMI over IP
Transmitter

VE8900T
HDMI over IP
Transmitter

VE8900T
HDMI over IP
Transmitter

VE8900T
HDMI over IP
Transmitter

NVR 1

NVR 2

NVR 3

PC1

PC2

VE8900R
HDMI over IP Receiver

VE8900R
HDMI over IP Receiver

VE8900R
HDMI over IP Receiver

Display

Display

Display

**Reception / TV Bar**

HDMI          Network          Fiber          Other Device

# Products

### VE8900
## HDMI over IP Extender

- Up to 1080p @60Hz
- Daisy chain
- Supports USB 2.0
- IR, serial bi-directional by-pass
- Integrates with ATEN Control System

Tx7

Rx9

### VS182A
## 2-Port 4K HDMI Splitter

- Up to 4096 x 2160 @60Hz
- HDCP 1.4 Compliant
- Dolby True HD, DTS HD Master Audio
- Long distance transmission of 15 m (24 AWG)

x1

# ATEN

## WORLDWIDE SALES OFFICES

Australia · Belgium · China · India · Japan · Korea · Poland · Romania
Russia · Taiwan · Turkey · UK · US (California) · US (New Jersey)

**www.aten.com/solutions/**

marketing@aten.com