ATEN

A Flexible Video Distribution and Control Solution with the ATEN Modular Matrix Switch and Control System

Education

Case study

VIVE Cooking School

Australia

Requirements

Benefits

- Needed to provide remote, centralized control of a variety of video input and output devices

- Must be able to work in tandem with existing broadcasting hardware as well as increase the number of video outputs from one to many

- Required a user-friendly, all-in-one solution that allowed people with limited technical knowledge to control the system with ease
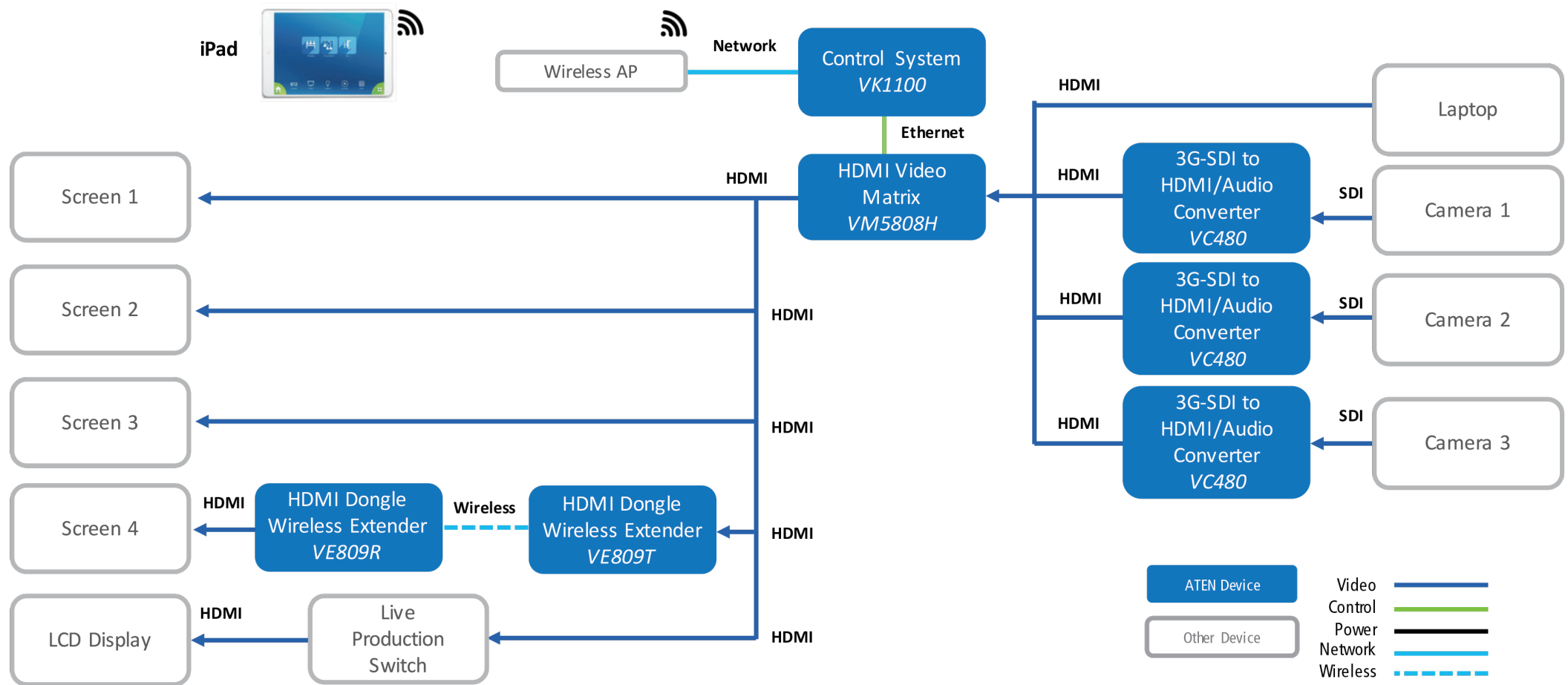
- Provides centralized control for the whole system via handheld devices

- Ensures top video quality and seamless switching between reliable, continuous video streams

- High level of compatibility enabled the new ATEN solution to integrate with the existing one

- Features an intuitive and user-friendly interface so no IT experience is needed to control the system

Perspective Diagram

Wireless Router
VK1100
VM5808H
Camera x3
VC480 x3
VE809T
Laptop
Live Production Switcher
LCD Display

Screen 1

Camera

Screen 2

Screen 3

Camera

VE809R

Camera

Screen 4

ATEN Control
System App

The VIVE Cooking School is one of the hottest cooking schools in Sydney, Australia. It's a platform for passionate home cooks of all ages.

At VIVE,the chefs demonstrate the cooking process of a variety of delicious dishes and show the close-up details to students via live streaming video.

Video
Control
Network
Wireless

ATEN Device
Other Device

Connection Diagram

iPad

Wireless AP — **Network** — Control System *VK1100*

Ethernet

HDMI Video Matrix *VM5808H*

HDMI → Screen 1

HDMI → Screen 2

HDMI → Screen 3

HDMI → HDMI Dongle Wireless Extender *VE809T* — **Wireless** — HDMI Dongle Wireless Extender *VE809R* — **HDMI** → Screen 4

HDMI → Live Production Switch — **HDMI** → LCD Display

HDMI → Laptop

HDMI → 3G-SDI to HDMI/Audio Converter *VC480* — **SDI** → Camera 1

HDMI → 3G-SDI to HDMI/Audio Converter *VC480* — **SDI** → Camera 2

HDMI → 3G-SDI to HDMI/Audio Converter *VC480* — **SDI** → Camera 3

ATEN Device

Other Device

Video
Control
Power
Network
Wireless

Products

VM5808H
8 x 8 HDMI Matrix Switch with Scaler

- Seamless Switch™
- Video Wall
- EDID Expert
- Multiple control methods: Pushbuttons, IR, RS-232, Awarding Web GUI

x1

VK1100
ATEN Control System - Compact Control Box

- Supports Serial, IR/Serial, Relay connections
- Telnet, TCP, UDP, ONVIF, and PJLink compliant
- Supports native KNX IP for building management systems
- Easy configuration via web GUI

x1

VC480
3G-SDI to HDMI/Audio Converter

- Supports SDI distance up to 90m (3G-SDI), 150m (HD-SDI), 300m (SD-SDI)
- Supports additional analog stereo audio and coaxial digital audio

x3

VE809
HDMI Wireless Extender (1080p@30m)

- 2 HDMI inputs
- 2 outputs - 1 local and 1 remote

x1

ATEN

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