



## Overview

A Japan luxury car brand required a definitively high-end 3x3 video wall solution that reinforced their status as a premium brand for their over one hundred showrooms nationwide across Japan. This was to enhance the showroom's visual appeal by showcasing the dynamic videos and promotional graphics of the new luxury car models.

## Challenges

- Requested the best possible video wall solution that could distribute high-definition video sources to 3x3 video wall without any image tearing.
- Required the highest-quality 4K video resolution in keeping with the luxury car's premium brand image.
- Must be able to switch among video sources without lagging or black screens.
- Needed a very stable and reliable solution that was suitable for implementing across multiple showrooms nationwide.

## Benefits

### • FrameSync Technology for the Perfect Video Wall Experience

With ATEN FrameSync technology, the VM6809H prevents image tearing without adding or dropping frames and guarantees smooth video for high-motion elements.

### • Seamless Switching for Smooth Viewing Experience

ATEN Seamless Switching employs an FPGA matrix architecture that ensures continuous video streams, real-time control, and stable signal transmissions.

### • Deliver 4K Resolution per screen for Crystal Clear Images

ATEN solution supports up to 4960 x 2160 @ 60Hz to deliver ultimate immersive visual experience with exceptional clarity.

### • Award-Winning Web GUI for Easy-to-Use Video Wall Setup

The award-winning and easy-to-use web GUI lets the customer customize different video wall layouts for different events.

## Solutions

### 8 x 9 HDMI input/output connections VM6809H



- **FrameSync**  
Prevents image tearing by synchronizing the scaler output frame rate to the input signal frame rate.
- **Seamless Switch™**  
Features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions.
- **4K Scaler**  
Features a 4K video scaling function to convert input resolutions to the display's native resolutions.
- **Video Wall**  
Allows you to create custom video wall layouts via intuitive web GUI.

## Connection Diagram

