

## Transmit a high quality video signal to multiple LCD monitors via a video splitter and booster in the railway carriage



### Scenario: Railroad Passenger Corp.

In order to provide passengers with up-to-the-minute information, as well as films for their travel entertainment, the Railroad Passenger Corp. would like to set up 1 source device to provide audio and video output to 4 LCD monitors and speakers in each carriage. The company wants to maintain a high video resolution of up to 1080p, but due to the carriage design and cable layout, the transmission distance of the signal is greater than 30 m, which will result in degraded video output.

### ATEN Solution :

Combine a VS164 4-Port DVI Video Splitter with a VE560 DVI Booster.

#### VS164 4-Port DVI Video Splitter

The VS164 4-Port DVI Splitter duplicates and boosts DVI video and audio input signals and sends them to 4 DVI video and audio output ports. It is the ideal product for any type of high quality broadcast environment.

#### VE560 DVI Booster

The VE560 DVI Booster boosts the audio/video signal – extending the standard DVI transmission range to as much as 50 m while still maintaining a high video quality of up to 1920x1200.

### Benefits :

- High-resolution video (up to 1920x1200)
- VS164: Cascadable to 3 levels – supports up to 64 video signal outputs – devices and monitors can be added incrementally as the need for expansion arises
- VE560: Extends the transmission distance up to 50 m to solve the problem of long distance transmission due to cable layout in the carriage.
- VE560: Included mounting kit allows the unit to be easily attached to any convenient location on the carriage body.



### Setup

