

Streaming TV Channels and Announcements to TV Screens throughout Vancouver Airport

Customer: Vancouver International Airport

Application: H.264 IPTV Video Distribution

Products: MGW Carrier-Grade Streaming Platform

The Challenge

As Canada's second busiest airport and the major West Coast airport closest to Asia, Vancouver International Airport (YVR) serves 17.5 million passengers annually.

To inform and entertain passengers, the facility has installed plasma screens in terminals and walkways. Connected by an IP network, the video displays are used to stream both TV channels and airport announcements throughout the facility.

The airport's requirements were clear: The facility sought a dependable, scalable, and easily managed technology solution to broadcast high-quality video to its monitors, using the facility's existing IP infrastructure, with manageable bandwidth requirements and minimal administrative and maintenance overhead.

Of particular concern to YVR management was the need for a highly robust solution. Given the disruptive effects of even a brief system outage in a highly trafficked, high-security public facility, identifying a technology with superior uptime availability was a prime concern.

YVR selected the **Optibase MGW Carrier-Grade Platform** as the ideal solution for streaming of IPTV programming at the airport facility.



Vancouver Airport International YVR

"With a growing numbers of passengers expected this year and beyond, we are always on the lookout for new ways to make their travel experience more pleasant. Our large flat screen displays present a wonderful opportunity to do so, however, high quality video is required. Optibase was the obvious selection to achieve this goal. Their advanced IPTV platforms deliver broadcast quality video, enabling us to continue to expand and adapt to meet the needs of our travelers."

Kevin Molloy, Vice President,
Passenger Travel & Chief Information Officer
Vancouver International Airport

The Optibase Advantage

The selection of the **Optibase MGW 1100 Streaming Platform** gave Vancouver International Airport a scalable solution that provided carrier-grade levels of architectural redundancy and hot-swap capabilities for assured uptime with minimal administrative resource requirements.

The MGW 1100 offers high density of encoding modules in a small footprint, and combined with its built-in redundancy and automatic fail-over capabilities offers a complete one-box solution for encoding and streaming MPEG-4 H.264 content from DVB/ASI, SDI and analog feeds. Utilizing the high quality picture at low bit-rates, service providers can reach various destinations by streaming over their Local Area Network.

The interoperability of the Optibase platform also enabled the Optibase and YVR IT implementation teams to integrate YVR's PC-based video suite with the MGW streams to enable on-screen digital signage, superimposed over the TV channel feeds streamed to airport monitors. This capability gave the airport an enhanced and easily managed communications channel for keeping airport patrons informed in real-time.



Media Gateway (MGW) Platforms

About Optibase

Optibase is a pioneer and market leader in broadband media gateways and MPEG encoding and streaming platforms. Propelled by sophisticated technology and market expertise, Optibase products are at the core of professional digital video solutions worldwide. Optibase products are helping to push the boundaries of digital video networking and streaming over IP networks by enabling applications such as video streaming in the enterprise and TV entertainment over IP networks. Optibase products are marketed and supported in over 40 countries, worldwide.

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