



SECURE CITY SOLUTIONS INNOVATION HIGHLIGHT



COMPANY OVERVIEW

Secure City Solutions (SCS) specializes in image and video compression technology. Used by organizations such as the FBI, IRS, and RCMP, SCS ensures high quality real-time video transmission in poor networks providing powerful transmission and storage cost savings to all users.

LOCATION: OTTAWA, ON

TECHNOLOGY



Data Centre and Cloud



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BETTER RESOLUTION FOR SECURITY FOOTAGE

There is a lack of quality surveillance footage in modern security systems. Large data sizes and the constraint of low bandwidth capacity has made it difficult to maintain video quality when attempting to transmit digital data for real-time viewing of camera footage. This has hindered the effectiveness of standard video surveillance services.

OMNICOOMPRESSOR: HIGH QUALITY SURVEILLANCE ON EVERY NETWORK

Secure City Solutions offers OmniCompressor, a software suite that delivers high resolution, real-time video transmission in poor networks, eliminating transmission difficulties for digital data in low bandwidth environments. OmniCompressor takes IP camera outputs and compresses it up to 90-95%, providing high-quality security surveillance services regardless of the network status. Secure City Solutions provides customers with marked reduction in transmission, storage, and hardware costs through utilization of the cloud.

PROJECT VERIFIES TRANSMISSION CAPABILITIES

Verifying their solution through the CENG Testbed, Secure City Solutions confirmed that the OmniCompressor hosted from the cloud was capable of processing over 1500 video streams simultaneously. Through this project, Secure City Solutions gained the insights needed to reach new markets and provide dedicated video streaming hardware that's affordable and high-quality.

**"Our project
with CENG
confirmed that
OmniCompressor
can be
implemented
as a client-cloud
service, opening
a new enterprise
market for
Secure City
Solutions."**

Gary Mackay
COO, Secure City Solutions

