



**C-band
Earth Station
DEBUTS WITH 24/7
WORLD FEED FOR
PAN-AM GAMES**



**SIX MPEG-4 ENCODERS
DUAL MULTIPLEXERS**



**5 IRDS AND FRAME
SYNCHRONIZERS**



**FULL QC MONITORING
AND BATTERY BACKUP**

HOST BROADCASTER

C-BAND EARTH STATION FROM TV2GO

3.8M Tx Antenna for World Feeds

TV2GO, the Toronto-based satellite services company, has launched a new transportable earth station. Its debut project was for Brazilian broadcaster Rede Record as they transmitted four World Feed signals from the Toronto 2015 PanAm Games nonstop from July 8-26. NSS806 was the satellite. Its 36MHz circular C-band beam covers all of the Americas.

This large General Dynamics antenna is assembled on a Baird non-penetrating mount which can be placed in a parking lot or rooftop without any modification or site damage. Linear or circular LNBS are available. Transmitters are the latest SSPB design from Advantec configured with auto-switching 1:1 redundancy. Redundancy is built in at every point in the transmission chain.



Antenna features linear or circular C-band feed horns and redundant SSPB transmitters

Designed for Remote Control

Host Broadcasters often need to have encoding, multiplexing and QC functions happening in Master Control, a long way from satellite trucks. The TV2GO system is designed to run at a great distance, linked to the antenna by a TAC6 fibre optic cable. Signals can move to the antenna-mounted SSPB transmitters via L-band or via ASI to redundant modulators located in a small enclosure adjacent to the antenna. Downlink signals take the same fibre path back to the Quality Control station. All equipment can be controlled by a TV2GO engineer in Master Control. Encoding is managed by six Adtec MPEG-4 4:2:2 encoders, dual multiplexers and IRDs. Each encoder has a companion frame synchronizer to assure signal stability in a Host Broadcast environment where video sources can be cut unexpectedly.

NS-3 and DVB-S2x modulation available today

Toronto2015 was broadcast in DVB-S2 8PSK modulation but TV2GO is ready to transmit in NS-3 or DVB-S2x. TV2GO is already equipped to offer these next-generation modulations.



contact: Lawrence Partington
TV2GO Inc
250 Ferrand Drive
Suite 402
Toronto, Canada M3C3G8
+1-416-696-9633 lawrence@tv2go.com

*Designed for host
 broadcaster
 distribution of
 major events*



TV2GO's Technical Director, Junior Faisal engineered this system to meet the requirements of Host Broadcasters. He brings all of the experience he has gained in teleport and SNG operations to his "bespoke Host Broadcast system".