

# CABLE AML NEWS

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## DIGITAL BROADCAST NETWORK INSTALLED IN NEW YORK

### ABOUT CABLE AML



**Cable AML** is a world leader in Broadband Microwave Links, Wireless Internet Systems, Wireless Triple Play, and “Wireless Cable” or MMDS Systems operating in the licensed frequency bands from 1.5 GHz to 42 GHz.

Cable AML’s customers include the largest Cable TV companies in the US and Canada, virtually every major MMDS operator in the world, and a rapidly growing number of high-speed data operators from all over the globe.

Cable AML has delivered a Digital Transport and Broadcast Network transmitting four HD TV programs in dual DVB-C and IP formats for installation in New York State.

The system headend accepts four HD- SDI feeds from a TV studio and generates two outputs, in IP and DVB-C formats respectively.



**DVB-C Transmitter Station**

The DVB-C carrier is 64QAM modulated and broadcasted through omnidirectional antennas with coverage of 25 Km radius.

The same 64QAM signal is re-transmitted over the air at a total distance of over 100 Km using repeaters at relay stations, each of which reproduces



**Cable AML engineer inspecting one of the broadcast antennas**

the omnidirectional broadcast pattern of the first transmitter.

The IP-formatted signal is transported through conventional fiber-based networks and fed to isolated transmitters for rebroadcast in DVB-C format.

The system design approach is modular, so as to allow for future expansion of the number of TV programs transmitted, the number of relay sites or the number of receiving stations.



**Transmitter antenna**