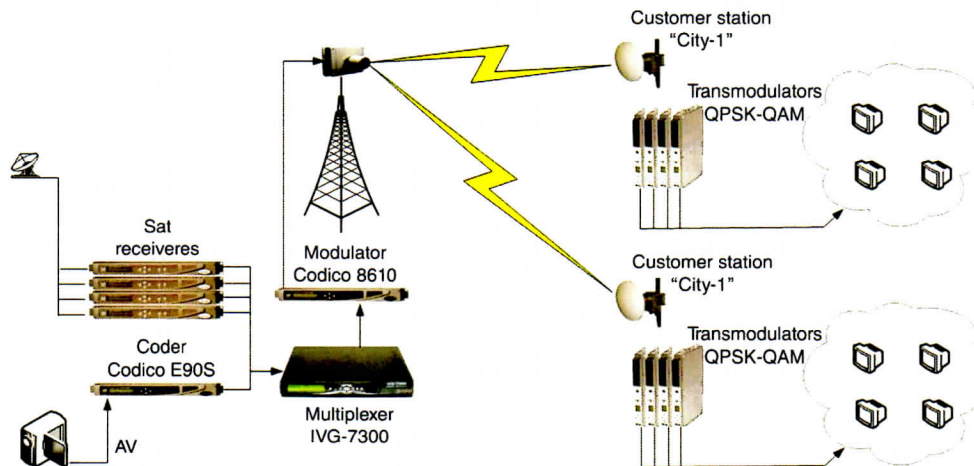


An operator can use 2 different ways to broadcast TV in City-1. The simplest one is TV over DVB, like in satellite TV. To retransmit a Satellite transponder you can take it from any standard satellite converter, single out one transponder with, for example, ALCAD converter, and forward it directly to City-1 transmitter. To receive DVB stream, a customer can use any standard satellite TV receiver. To connect it to City-1 receiver, a coax cable with 2 GHz band should be used. To use existing narrow-band coax, QPSK/QAM or QPSK/PAL trans modulators should be installed at receiver side. To broadcast DVB-ASI/SPI stream, DVB-S modulator should be used.



An alternative way of TV broadcasting is TV over IP over DVB. In this case TV is transmitted like other data. If digital TV to broadcast is available in Internet, IP encapsulator and DVB-S modulator should be installed at the base station.

At a customer side any standard Satellite data receiver can be used to extract TV/IP stream from DVB and forward it to LAN. Customers should use TV/IP receivers to view a TV on their TVsets. This way simplifies a house distribution system. The simplest Fast Ethernet network provides both data and TV distribution.

