

OgierElectronics

DVB-T v Internet Protocol

In digital systems, when image quality is of prime importance the use of Digital Video Broadcast – Terrestrial (DVB-T) is essential. The standard was developed by broadcasters and provides a good image quality despite the compression processing.

Our DVB-T based equipment is therefore suitable for the vast majority of surveillance applications providing latency is not an issue and providing the very highest video quality is not a requirement.

The disadvantage of the DVB-T system is that although it requires less bandwidth than full quality analogue, it nevertheless uses higher data rates than IP based systems. For example, it is possible to transmit up to 20 IP videos in a single Ethernet channel on one of our equipments, whereas only 5 DVB-T channels can be transmitted or just one analogue channel.

Thus if low or moderate quality video is acceptable for any specific application, for example in general surveillance where the prime requirement is to monitor the overall activity and detect unusual occurrences, the use of IP could well be the right solution. This may be true in commercial premises, car parks and supermarkets, where positive identification is of secondary importance to that of reacting to events.

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