

FM Radio Transmitter | IR-34



Remote Village FM Transmitter

The Village Radio Broadcaster allows government entities to communicate messages to listeners in distant small villages and rural areas. These remote areas aren't reached by the traditional broadcast media.

Tactical Electronics Corporation has developed the IR-34 Remote Village FM Transmitter to provide a means to access these remote areas with a radio voice and broadcast information pertinent to the area and the government. With the IR-34, villages can communicate in the local language/dialect while covering topics that are popular and important to the local listeners.

The IR-34 coverage radius is dependant on local terrain. A village broadcaster in the mountains will likely cover only the valley. Hilly terrain has coverage of 25km. Reasonably flat land brings coverage out to 50km. The major distance coverage factor after terrain is the height of the broadcast antenna. In simplest terms, the higher the antenna, the more distance is covered.

The IR-34 has an RF output of 330 watts. Its accompanying antenna has a gain of 3dB. This brings the Effective Radiated Power (ERP) to 1KW. The ERP figure is used to calculate the distance coverage.

Government personnel set the IR-34 to the frequency in the 88 to 108MHz FM broadcast band. Each village can have its own frequency as assigned according to plan.

Media content is connected to the IR-34 audio input jack. The media input can come from a variety of sources including a PC or CD player.

The IR-34 is designed from the ground-up to be located and operated in a typical remote village situation. Tactical Electronics has made the IR-34 as simple as possible to set-up and operate.

remote transmission



Solving Your Communication Puzzle

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