

## Remote Video Supervision via DVB-H Channels

**Authors :** Hanen Ghabi, Youssef Oudhini, Hassen Mnif

**Abstract :** By reference to recent publications dealing with the same problem, and as a follow-up to this research work already published, we propose in this article a new original idea of tele supervision exploiting the opportunities offered by the DVB-H system. The objective is to exploit the RF channels of the DVB-H network in order to insert digital remote monitoring images dedicated to a remote solar power plant. Indeed, the DVB-H (Digital Video Broadcast-Handheld) broadcasting system was designed and deployed for digital broadcasting on the same platform as the parent system, DVB-T. We claim to be able to exploit this approach in order to satisfy the operator of remote photovoltaic sites (and others) in order to remotely control the components of isolated installations by means of video surveillance.

**Keywords :** video surveillance, digital video broadcast-handheld, photovoltaic sites, AVC

**Conference Title :** ICRAESE 2022 : International Conference on Recent Advances in Electrical Systems Engineering

**Conference Location :** Paris, France

**Conference Dates :** May 16-17, 2022