

RF / MATV Deployment—HDS Series

Mining / Resource Camp



General Requirements

Provide Television distribution for Mining Camp in remote areas

- Distribute FTA (Free to Air) Channels—Seven, Nine, Ten, ABC, SBS and Subsidiaries channels
- Distribute Pay-TV Channels
- Distribute In-house training and information channels
- User experience must be simple and straight-forward (same as home)
- System must be scalable to grow over-time (number of users and channels)

System Outcome

This is a common TeleDelta deployment to Mining / Resource Camps in both Eastern and Western Australia (including offshore locations)

As the locations of these mining camps are in Television black-spots DVB-S/S2 satellite is used to receive the digital signals. To decode the Satellite signal and produce the television signals the TeleDelta HDS3600 series is used. The HDS3600 is a 1RU rack-mount appliance which can be configured to suit individual system deployments. In this example the HDS3600 performs four functions, these are:

1. Ingest and decode of the DVB-S/S2 satellite signal,
2. Perform the required descrambling / conditional access
3. Modulate the TV channels into a digital COFDM stream
4. Send out the modulated TV channels over the coax cable around the mining camp

The HDS3600 has been popular in the mining environment due to its ease to use, setup and reliability, plus the HDS3600 can be fully managed and monitored remotely via an internet connection.

The in-house and other Television channels are a mixture of HD and SD signals, from devices such as DVD players, computers and media devices. To distribute these signals the TeleDelta HDS2800 series is used, the HDS2800 is an encoder/ modulator in one, its key function is ingest signals (HDMI, Component, Composite) and output these signals as TV channels which are distributed over to coaxial network. Again the HDS2800 provides local and remote management and monitoring via the internet.

Both the HDS3600 and HDS2800 product TV signals in the same way the TV networks do, this insures the viewer / in-room experience for the end user is simple and familiar to what they are used to.

Using the TeleDelta range also provisions the site for future upgrades to an IPTV delivery network.

For more information on the TeleDelta Mining Camp solutions please contact us.

For more information please contact your local distributor or email sales@teledelta.com

