



Hytera DS-6310 Simulcast

Cover large areas with one frequency

The Hytera DS-6310 Simulcast system provides wide-area radio coverage reliably and inexpensively using just one frequency pair. With focus on the digital functionality of a DMR Tier II system it is perfect for utility companies, industry and local authorities who want or need to modernize their existing simulcast or analog radio system.



Solution Highlights DS-6310

Affordable DMR communication for large areas

Frequency-efficient radio coverage

Simulcast technology means that only one frequency pair is needed for the mobile radio system, irrespective of the number of base stations in the network. Two calls can take place simultaneously and data transmission services are also available.

High voice quality

The system ensures that perfect voice quality is guaranteed in areas where the radio coverage of two base stations overlaps. The mobile switching office uses a quality check to ensure that only the best radio signal it receives is transmitted and broadcast.

Cost-efficient and easy migration

The simulcast system is based on the DMR standard for conventional digital radio (DMR Tier II). This ensures compatibility with numerous Hytera radios. Customer's Tier II radios can continue to be used as before.

Increased capacity through subnetting

With the network management software the simulcast system can be divided into different subnets in order to provide additional capacity in certain areas. Using this intelligent system management, subnets can be changed in real time in order to react quickly to changes in conditions.

Low demands on network technology

The IP-based system architecture enables flexible networking and makes low demands on the system connections. The IP transport network can be maintained and upgraded cost-efficiently using commercially available network technology such as servers, switches and routers.



Flexibility down to the detail

Base station for Simulcast

The base station of the simulcast system is based on the proven RD985S repeater technology from Hytera.

- Modular structure for ease of operation and maintenance
- Optional delivery in an equipment rack or for installation in an existing rack

A maximum of four simulcast transmitters/receivers can be used in one base station. In addition to the simulcast transmitters/receivers, the base station also includes the synchronized expansion unit (SEU), a power supply and an HF branching system (if desired).

Every PC can be a radio workstation

Line dispatcher solution / radio dispatcher solution

The Hytera simulcast system can be operated with both line dispatcher (LDS) and radio dispatcher solutions. Both solutions are characterized by efficient communication and simple management of the radio subscribers in the simulcast system.

Simulcast provides the whole feature set of DMR Tier II

- Analog or digital operation
- Pseudo trunking
- High voice quality for individual call, group call, broadcast call, emergency call, PSTN / PABX call, dispatcher call, etc.
- Use of data services like text and status messages, GPS data, AVL, etc.
- Secure communication thanks to end-to-end encryption

Efficient administration

Network Management System (NMS)

The NMS ensures efficient administration of the mobile radio system by providing comprehensive functions for monitoring, operation and maintenance. In addition, it facilitates the configuration of the software and hardware components.

- Multiple workstations can be connected thanks to its client-server architecture.
- Central management of network elements and software updated by remote access.
- Gateway configuration for a PABX or PSTN connection, enabling communication between mobile radio systems and telephones via SIP protocol.

Our product range for Hytera DS-6310 Simulcast

Hytera offers you a complete product range for your simulcast mobile radio system: From infrastructure via mobile radios up to applications – you can compile your individual solution.



DMR radios with DMR Tier II support (selection)



SmartDispatch/LDS



Network Management System (NMS)



Base station with RD985S repeater in rack or for installation



Hytera Mobilfunk GmbH

Address: Fritz-Hahne-Straße 7, 31848 Bad Münder, Germany
Tel.: + 49 (0)5042 / 998-0 Fax: + 49 (0)5042 / 998-105
E-mail: info@hytera.de | www.hytera-mobilfunk.com



SGS Certificate DE11/81829313

Hytera Mobilfunk GmbH reserves the right to modify the product design and the specifications. In case of a printing error, Hytera Mobilfunk GmbH does not accept any liability. All specifications are subject to change without notice.

Encryption features are optional and have to be configured separately; they are also subject to German and European export regulations.

HYT Hytera are registered trademarks of Hytera Co. Ltd. ACCESSNET® and all derivatives are protected trademarks of Hytera Mobilfunk GmbH. ©2017 Hytera Mobilfunk GmbH. All rights reserved.