BROADCAST MONITORING

iROKS Multichannel Radio Receivers

ANT 75 Ohm

ETHERNET 100/1000 Mbps

110-240VAC
50/60Hz

iROKS Multichannel Radio Receivers enable simultaneous real-time multi-channel radio monitoring, signal analysis, encoding and network streaming. Reconfigurable design techniques deliver high system performance, flexibility and small space requirements. One device can capture, transcode, stream and record all radio stations in FM/DAB+ bands.

Key Features and Benefits

- ✓ Scalability from 8 up to 64 and more FM/DAB+ channels

- ✓ AM, DRM, DRM+, HD, SDR or Line-In on request

- ✓ Integrated streaming server

- ✓ All channels sample synchronously; multi-units synchronisation is possible

- ✓ Support of external CLK and timing possible

- ✓ Cost effective open source software for streaming and rebroadcasting

- ✓ Access to broadcasting meta-data

- ✓ Different standards and protocols for content access

Why Radio Monitoring?

- ✓ Web-streaming and broadcast contents could be different

- ✓ Regional restrictions for the content access

- ✓ Significant audio delays on the web-streams

- ✓ Different standards and protocols for content access

- ✓ Law-requirements: compliance recording should be on the broadcast audio and not on the internet streams

- ✓ Broadcast monitoring system cannot be easily blocked or manipulated

- ✓ Controlling of the regional partners and broadcast signals

Applications

- ✓ Copyright protection monitoring

- ✓ Advertisement and music monitoring

- ✓ Radio retransmission

- ✓ Technical radio signal monitoring

- ✓ Regional program insertions

- ✓ Hybrid broadcasting support

- ✓ Interactive advertisement forms

- ✓ Live channel synchronisation

Technical characteristics (per channel)

- ✓ Operating frequency range in FM format, 76…108 MHz

- ✓ Operating frequency range in DAB+ format, 168…240 MHz

- ✓ Built-in multi-channel splitter for use with only one antenna. Multiple antenna support on request

- ✓ Minimum number of simultaneously received channels in FM/DAB+: 8 channels

- ✓ Maximum number of simultaneously received channels in FM/DAB+: 62 channels (93 or more channels configuration on request)

- ✓ AM, DRM, DRM+, HD support on request

- ✓ SDR, Line-In, microphones or microphone arrays scenarios are possible; unlimited number of channels (on request)

- ✓ All channels sample synchronously; multi-units synchronization is possible

- ✓ Custom configuration, scaling step: 8 channels

- ✓ Depth of audio content encoding 16 bit (24 bits on request)

- ✓ Stereo/mono operation modes

- ✓ Audio Encoding frequency, 48 kHz

- ✓ Program Associated Data (PAD) decoding RDS, RBDS, MOT

- ✓ Compression formats (software installed) MP3, AAC

- ✓ Transmission speed of one broadcast channel over the Internet (set programmatically)

- ✓ Ethernet 100/1000 Mbit/s

Contact

For more information please visit www.coherent-receiver.com.