

BROADCAST RADIO HEAD

SL-BRH-UHF-1-1 is a Broadcast Radio Head. It enables scalable network topology for delivering Next-Gen Digital Terrestrial Transmission (DTT).

Deployed in a Low Power Low Tower (LPLT) architecture, the BRH creates a uniform signal strength to support Direct to Mobile (DTM) indoor reception. LPLT enables efficient spectrum reuse. It can supplement conventional High Power High Tower (HPHT) deployments as gap fillers.

BRH provides ubiquitous coverage of broadcast signal for high quality content reception in mobile, automotive and other portable devices by cellularizing the broadcast transmission.

BRH can be deployed as part of Direct to Mobile (D2M) Broadcast solution. This solution reduces the congestion in the mobile network by offloading the high demand content from cellular networks to the broadcast network.

FEATURES



Low Power and Low Tower Topology



40 W Low Power Broadcast



GPS for location and time synchronization



Supports SFN and MFN Deployment Topology



Supports centralized EMS with remote software upgradability



STL-TP support for ATSC 3.0



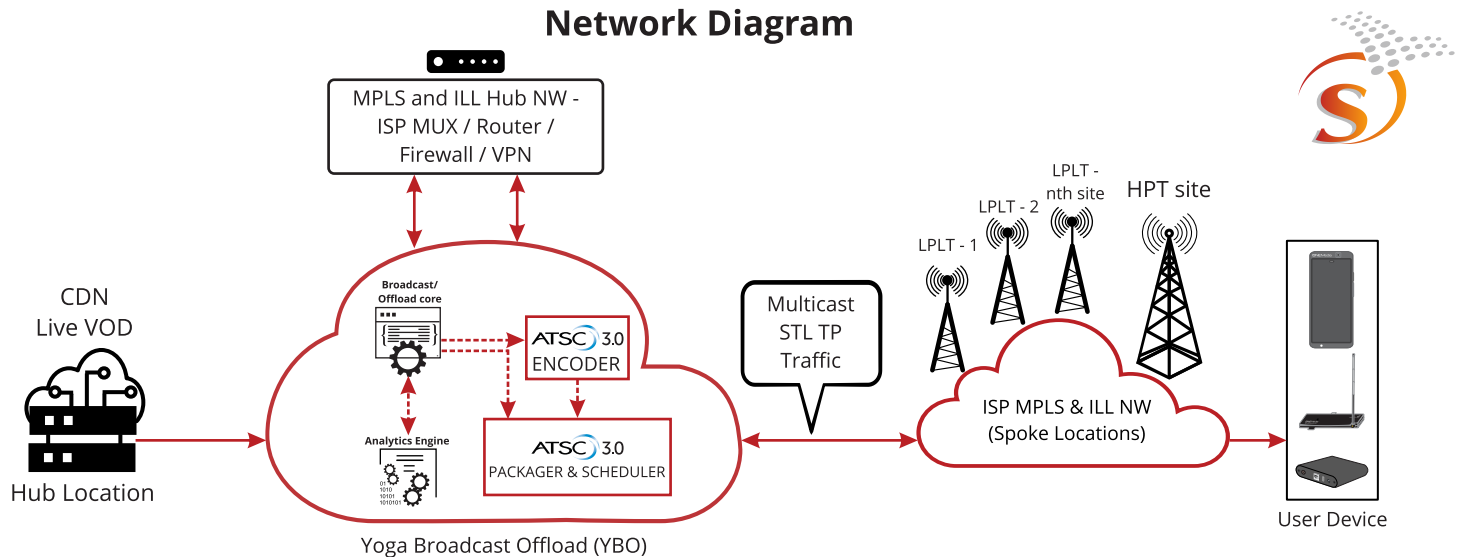
Cooling by natural convection



ETSI-EN300019 certified



Network Diagram



TECHNICAL SPECIFICATIONS

Standards Support	
Broadcast Standards	ATSC 3.0, FeMBMS and DVB T2 (on Request)
Broadcast Specification	
Bandwidth	6 MHz, 8MHz
Maximum Conducted Power	40 W
Data Rate	6 MHz - Up to 25 Mbps; 8 MHz Up to 33 Mbps
MER	> 40 dB
Interface	
Backhaul	Ethernet 1 Gbps Rj45, Satellite (DVBS/DVB-S2)
	Fiber Optic Ethernet (SFP 1 Gbps)
RF	UHF Frequency Band 470 - 608 MHZ
Device Management	
EMS	Centralized with Remote Software Upgradability
Reporting	System usage statistics reporting
Software Upgrades	Remote and scheduled software upgrades
Compliance	
Regulatory Compliance	FCC Title 47CFR 74.794 and Part 15
Physical Specifications	
Dimensions	L x W x D (in mm) 580 x 300 x 150
Weight	Approx. 20 KG
Power Consumption	300 W
Power Input	- 48 V DC

