CodePlus Off Air Transcoder System

OAT100R

The LG CodePlus™ OAT100R Off Air Transcoder System provides a flexible solution for system providers who provide terrestrial delivered content to commercial facilities (hotels, hospitals, etc.) The OAT100R incorporates eight RF tuners that receive up to eight off air channels from the terrestrial broadcast service.

The OAT100R converts the terrestrial channels MPEG-2 HD programming to a groomed, multiplexed transport stream which is compatible with any digital television that supports QAM tuning.

FEATURES

TRANSCODES BROADCAST CONTENT FOR DISTRIBUTION ON SMATV OR IPTV NETWORK

TWO OUTPUT OPTIONS: EITHER RF OR IP
RF output: four contiguous 256/64-QAM cable channels.
256-QAM output: two broadcast channels per QAM channel; supports up to eight programs per tuner input; outputs up to 64 programs.

64-QAM output: one broadcast channel per QAM channel, supports up to eight programs per tuner input, outputs up to 32 programs.

IP output: up to eight multicast streams with multiple programs if provided in the original broadcast

SUPPORTS ANY QAM COMPATIBLE TELEVISION

TRANSCODED OUTPUT SUPPORTS CLOSED CAPTION AND V-CHIP (PARENTAL CONTROL)
(if included in the signal source)

REMOTE MANAGEMENT OVER ETHERNET VIA EITHER GRAPHICAL USER INTERFACE (GUI) OR COMMAND LINE INTERFACE

SMALL, LIGHTWEIGHT CHASSIS

19-INCH RACK-MOUNTABLE

1U HEIGHT PROFILE TO MINIMIZE RACK SPACE USAGE

ACCESSORY

OAT100R

CodePlus OFF AIR
TRANSCODER SYSTEM

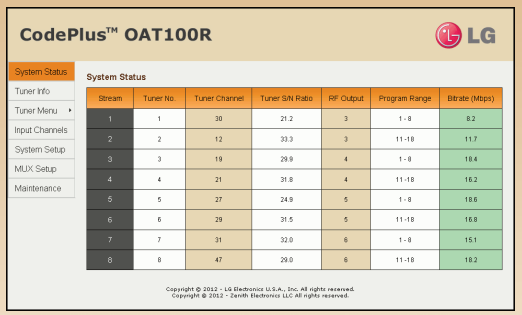
SPECIFICATIONS

OAT100R GRAPHICAL USER INTERFACE

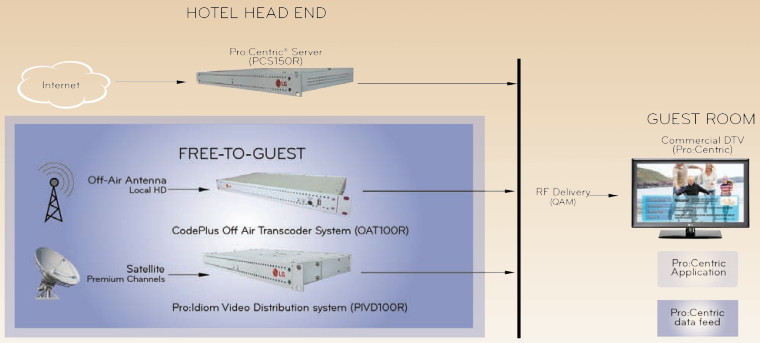
Along with a command line interface, a Graphical User Interface (GUI) is provided and is remotely accessible via standard Internet browsers. The GUI provides OAT100R system administration and management tools, including:

- System status and configuration
- Tuner status and configuration
- MUX setup
- System maintenance

For further details, refer to the **CodePlus™ OAT100R Off Air Transcoder System Installation & Setup Guide**.



TYPICAL OAT100R INSTALLATION WITH LG HEAD END SOLUTION PRODUCTS



INSTALLATION REQUIREMENTS:

Installation of the OAT100R requires the following:

- 1U rack space in the head end
- CAT5 RJ-45 Ethernet cable for Control Port connection
- 1 x 110/120VAC power outlet
- 1 coax drop to the RF combiner to feed the output of the Transcoder into the RF network if system is using RF. CAT5E or better RJ-45 Ethernet cable for connection to Feature Port if system is using IP.
- 75 ohm RG-6 or larger coax cables (from terrestrial antenna distribution system)

Note that no local monitor or keyboard is required for the server.

For further details, refer to the **CodePlus™ OAT100R Off Air Transcoder System Installation & Setup Guide**.

DIMENSIONS	
Height	1U chassis - 1.65" (42mm)
Width	19.0" (483mm) per EIA stand
Depth	8.12" (206.2mm)
Weight	4.45 lbs
ELECTRICAL	
RF Out Connector	Type 'F'
RF Output Span	4 Contiguous Channels (typically 24 MHz)
RF Output Frequency Range	54 MHz to 864 MHz
Active Output Level at RF Out jack	+ 42 dBmV Min
DC Input	+ 12V DC @ 2.6 Amps
Ethernet Connector (Control Port)	10/100/1000BaseT, RJ-45
Ethernet Connector (Feature Port)	1000BaseT Full Duplex, RJ-45
RF Input Connectors (8)	Type "F", 75 ohm (USB Port: USB 2.0)
WARRANTY	
Limited Warranty (Parts/Labor)	1 Year
UPC Code	7 19192 90410 1
REGULATORY COMPLIANCE	FCC, RoHS, UL

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LG
Life's Good

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Pro:Idiom Pro:Centric

All screen images are simulated. Dimensions and weights are approximate. Design, features and specifications subject to change without notice.

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