

Pro:Idiom®



PIVD100R

The LG CodePlus™ PIVD100R Pro:Idiom® Video Distribution Transcoder System provides a flexible eight- to 16-program HDTV solution for system providers who provide satellite delivered content to commercial facilities (hotels, hospitals, etc.) The PIVD100R incorporates eight 100BaseTX X-Ports that connect up to eight satellite set-top boxes (STBs) from either DIRECTV® or DISH Network® satellite service.

The PIVD100R converts satellite MPEG-4 HD programming to an encrypted, encoded transport stream. A Pro:Idiom-compatible television is required to view premium HD content, and a proper session ID must be set at the TV in order for Pro:Idiom decryption to be enabled. LG's Pay-Per-View (PPV) partners can set up this session through their interface. LG's Free-To-Guest (FTG) Mode of operation also enables Pro:Idiom decryption.

Multiple PIVD100R units may be combined in the head end to deliver an entire channel lineup of HD programming.

FEATURES

TWO OUTPUT OPTIONS: RF OR IP (CONCURRENT OPERATION NOT SUPPORTED)

RF output: The PIVD100R generates four contiguous 256-QAM cable channels, with up to two DIRECTV or three DISH Network program streams multiplexed on each channel. This capability provides up to eight HD programs of DIRECTV content or up to 12 HD programs of DISH Network content.

IP output: The PIVD100R provides up to eight HD programs of DIRECTV content or up to 16 HD programs of DISH Network content.

TRANSCODES SATELLITE CONTENT FOR DISTRIBUTION

BUILT-IN PRO:IDIOM CONTENT PROTECTION

SUPPORTS PRO:IDIOM ENCRYPTION KEY MAINTENANCE

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

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

UNIT DOES NOT REQUIRE LOCAL MONITOR, KEYBOARD, OR MOUSE CONNECTION

SMALL, LIGHTWEIGHT CHASSIS

19-INCH RACK-MOUNTABLE

1U HEIGHT PROFILE TO MINIMIZE RACK SPACE USAGE

PIVD100R

CodePlus Pro:Idiom VIDEO DISTRIBUTION
TRANSCODER SYSTEM

SPECIFICATIONS

PIVD100R 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 PIVD100R system administration and management tools, including:

- System status and configuration
- STB status and configuration
- MUX setup
- System maintenance (including Pro:Idiom key renewal and firmware updates)

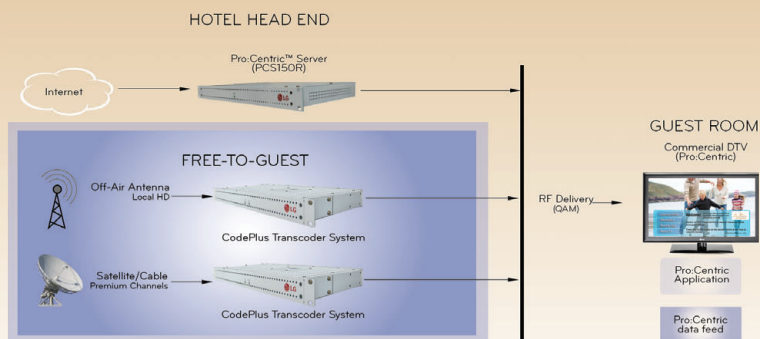
For further details, refer to the **CodePlus™ PIVD100R Pro:Idiom® Video Distribution Transcoder System Installation & Setup Guide**.

CodePlus™ PIVD100R



System Status						
Stream	STB No.	STB Channel	STB Signal Level	RF Channel	Program No.	Bitrate (Mbps)
1	1	7	100%	80	1	5.5
2	2	11	100%	80	2	6.4
3	3	202	90%	81	1	9.9
4	4	206	95%	81	2	5.1
5	5	215	90%	82	1	6.4
6	6	218	90%	82	2	6.6
7	7	269	94%	83	1	5.6
8	8	504	87%	83	2	4.7

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TYPICAL PIVD100R
INSTALLATION

INSTALLATION REQUIREMENTS:

Installation of the PIVD100R 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 server 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.
- 8 x 1 meter CAT5E cables (for X-Port connections) (supplied)

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

For further details, refer to the **CodePlus™ PIVD100R Pro:Idiom® Video Distribution Transcoder System Installation & Setup Guide**.

DIMENSIONS

Height	1.692 inches (42.977 mm)
Width	19.0 inches (482.6 mm) with mounting brackets attached (for EIA standard 19-inch rack mount)
Depth	8.5 inches (215.9 mm)
Weight	3.95 pounds (1.80 kgms) rack-only weight

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 @ 2.1 Amps
Ethernet Connector (Control Port)	10/100/1000BaseT, RJ-45
Ethernet Connector (Feature Port)	1000BaseT, RJ-45
USB Ports (2)	USB 2.0

WARRANTY

Limited Warranty (Parts/Labor)	1 Year
UPC Code	7 19192 90370 8

REGULATORY COMPLIANCE

FCC, RoHS, UL

LGSolutions.com



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SPEC_PIVD100R_021225_PR

Pro:Idiom® Pro:Centric®

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Printed in the USA. March 2012



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