



CodePlus™ Transcoder System PIVD100R

Features:

- RF or IP output (concurrent operation not supported)
- RF Output
 - Four contiguous QAM 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
 - Provides up to eight HD programs of DIRECTV® content or up to 16 HD programs of DISH Network® content.
- 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
- 19 Inch rack mountable, 1U height profile



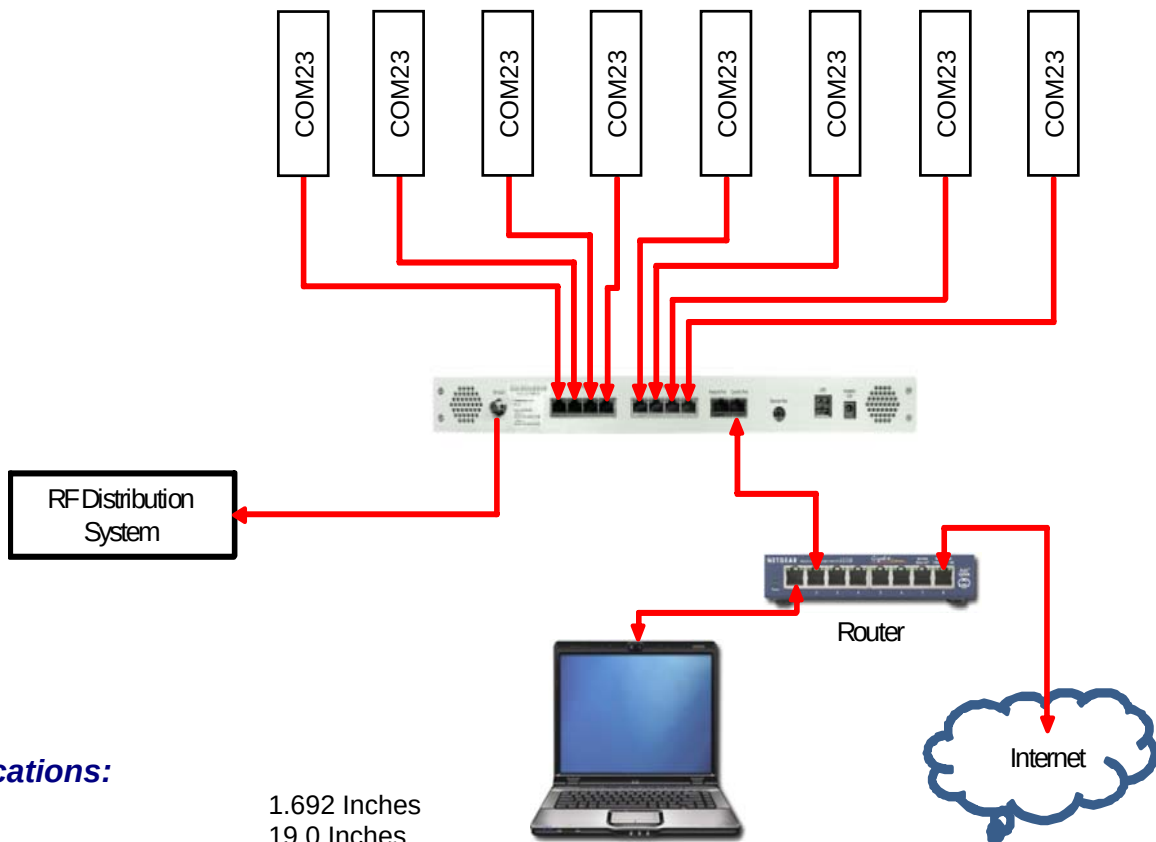
North American Cable Equipment is proud to introduce the all new LG CodePlus™ PIVD100R Pro:Idiom® Video Distribution Transcoder System. This system provides a flexible eight program HDTV solution for system providers who provide satellite delivered content to commercial facilities (hotels, hospitals, 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.

The PIVD100R utilizes satellite receivers which are fed directly into the single rack space unit. The unit then applies Pro:Idiom® encryption to each program and modulates the outputs onto a desired QAM frequency. This unit has the capability of applying two DIRECTV® HD programs or three DISH Network® Programs to each QAM channel. Multiple PIVD100R units may be combined in the head end to deliver an entire channel lineup of HD programming.



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Specifications:

Height	1.692 Inches
Width	19.0 Inches with mounting brackets attached (for EIA standard 19 Inch rack mount)
Depth	8.5 Inches
Weight	3.95 Pounds
RF Output Connector	F Connector
RF Output Span	4 Contiguous Channels (typically 24 MHz)
RF Output Frequency	54 - 864 MHz
Output Level	42 dBmV Min.
DC Input	+12VDC @ 2.1 Amps
Ethernet Con. (Control Port)	10/100/1000BaseT, RJ-45
Ethernet Con. (Feature Port)	1000BaseT, RJ-45
USB Ports (2)	USB 2.0
Regulatory Compliance	FCC, RoHS, UL

Key Components:

PIVD100R	8 Channel transcoder unit
COM23	DIRECTV HD Satellite receiver
RV042	VPN (Virtual Private Network) Router
FMA-LG101	Free-to-Guest Management Appliance
PI Service Fee	Yearly Pro:Idiom service fee for non-adopters

Important Notes:

- All TVs must be Pro:Idiom compatible and MPEG4 capable.
- Installation company must have the ability to Map the televisions.
- TVs may require "Free to guest" or "MPI" access cards.
- VPN is mandatory for all systems.
- Signed NACE sales agent and property agreements are needed prior to shipment.
- \$40.00 Annual usage fee per PIVD100R will be billed directly to the property each January.
- The first year is pro-rated based on the shipment date.
- NACE maintains ownership of their equipment at all times. Ownership title does not transfer to the dealer or property.
- PIVD100R product is warranted for 1 year from date of purchase.