



UCrypt[®] IP2IP

UCrypt[®] IP to IP with Pro:Idiom[®] Encryption



Patent Pending

Features:

- ▶ The UCrypt[®] IP to IP Pro:Idiom[®] Encryptor offers MSOs new flexibility to deliver digital content in a protected format into commercial & hospitality locations and is ideal for applications where the consolidation of Pro:Idiom encryption at the headend or hub level is desirable
- ▶ The UCrypt IP to IP product allows the Cable Service Provider to select programs from their IP network, encrypt them with Pro:Idiom and redistribute the encrypted version of the programs over the network
- ▶ Perfect for providing content directly to commercial or hospitality environments with deployed IPTV systems or for use within other system architectures requiring Pro:Idiom encrypted content in IP format
- ▶ Support for H.264 streams
- ▶ Includes configurable line card style EPG channel
- ▶ Allows for PSIP VCT insertion for customizing virtual channel lineup on property TVs
- ▶ Includes an easy-to-use HTTP-based management interface which allows an operator to monitor, manage & configure the product locally or remotely
- ▶ Built on a scalable architecture that allows the Cable Service Provider to grow their service offering as required

Ordering Information

Part Number	Description
IP to PRO:IDIOM IP	
UC24PIP2M	IP to IP; 24 Pro:Idiom Encrypted MPTS Outputs
UC16PIP2M	IP to IP; 16 Pro:Idiom Encrypted MPTS Outputs
UC8PIP2M	IP to IP; 8 Pro:Idiom Encrypted MPTS Outputs
UC24PIP2S	IP to IP; 24 Pro:Idiom Encrypted SPTS Outputs
UC16PIP2S	IP to IP; 16 Pro:Idiom Encrypted SPTS Outputs
POST SALE SOFTWARE UPGRADES	
UCUG8MIP	Software Upgrade - Add 8 MPTS (for "MPTS" versions)
UCUG8SIP	Software Upgrade - Add 8 SPTS (for "SPTS" versions)
UCUGS2M16	Software Upgrade - Convert 16 SPTS to 16 MPTS
UCUGS2M24	Software Upgrade - Convert 24 SPTS to 16 MPTS
UCFAN	External Replacement Fan for UCrypt



UC24PIP2M (front view)



UC24PIP2M (rear view)

UCrypt® IP to IP Specifications

SPECIFICATIONS	
INPUT	
ETHERNET	IEEE 802.3-2002,1000BASE-T (GbE)
CONNECTORS	3x RJ45; Chassis Rear
PHYSICAL PORT ADDRESS	Static IP Address or DHCP Client Mode per Port
TRANSPORT LAYER PROTOCOL	UDP
TRANSPORT STREAM SUPPORT	MPTS & SPTS
ADDRESSING	IPv4 Multicast & Unicast, Supporting all Valid IP Port Numbers
MULTICAST SUPPORT	Source Specific Multicast (SSM) and IGMP v1, 2 & 3
ENCAPSULATION	188 Bytes per TS Packet / 7 TS Packets per IP Packet
TS PROCESSING	
MULTIPLEXING CAPACITY	Flexible Creation of up to 24 SPTS and/or MPTS Multiplexes ⁽¹⁾ with PAT/PMT Generation per TS
ENCRYPTION	Pro:Idiom Encrypted Multiplex or Unencrypted Multiplex
ENCRYPTION CAPACITY	Up to 24 SPTS and/or MPTS Multiplexes ⁽¹⁾ (38.8 Mbps max each)
SUPPORTED VIDEO FORMATS	MPEG-2 MP@HL, MPEG-4 pt10 AVC/H.264 HP@L4
SUPPORTED VIDEO RESOLUTIONS	Up to 720p & 1080i
SUPPORTED AUDIO FORMATS	Dolby® Digital (AC-3), MPEG-1 L1/2
OUTPUT	
ETHERNET	IEEE 802.3-2002,1000BASE-T (GbE)
CONNECTORS	3x RJ45; Chassis Rear
PHYSICAL PORT ADDRESS	Static IP Address or DHCP Client Mode per Port
TRANSPORT LAYER PROTOCOL	UDP
TRANSPORT STREAM SUPPORT	MPTS & SPTS
ADDRESSING	IPv4 Multicast & Unicast, Supporting all Valid IP Port Numbers
MULTICAST SUPPORT	IGMP v1, 2 & 3
ENCAPSULATION	188 Bytes per TS Packet / 7 TS Packets per IP Packet
DEVICE MANAGEMENT	
MANAGEMENT INTERFACE	Local or Remote Management via Integrated Secure Web Server
MANAGEMENT INTERFACE PORT	10/100/1000BASE-T, Static IP or DHCP, RJ45, Chassis Rear
SECONDARY CRAFT PORT	10/100/1000BASE-T, Static IP, RJ45, Chassis Rear
MANAGEMENT SECURITY	3 Password Protected Tiered User Accounts
MASS DEPLOYMENT & BACKUP	Importable/Exportable Device Configuration Files
REMOTE MONITORING	Integrated SNMP Agent & MIB
ALARMS	Email Notification, SNMP Traps
EAS	
MODES	Support for ANSI/SCTE 18 Compliant & Non-compliant Devices
PHYSICAL & ENVIRONMENTAL	
MECHANICAL	3RU, 19" Rack Mount: 5.25"H x 19.0"W x 22.8"D (13.34H x 48.26W x 57.91D cm)
POWERING	2.5 Amps @ 115 VAC, 1.2 Amps @ 230 VAC Fully Redundant 520W Power Supply Modules, Hot-swappable
ELECTRICAL APPROVAL	Approved to UL 60950-1, 2nd Edition (File E325862)
POWER CONTROL	Software Power Control
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)
HUMIDITY	0-95% Non-condensing
NOTES:	
(1) Depends upon ordered hardware options. Dolby is a registered trademark of Dolby Laboratories. Manufactured under license from Dolby Laboratories.	