UCrypt® QAM to QAM v2 with Pro:Idiom® Encryption: *

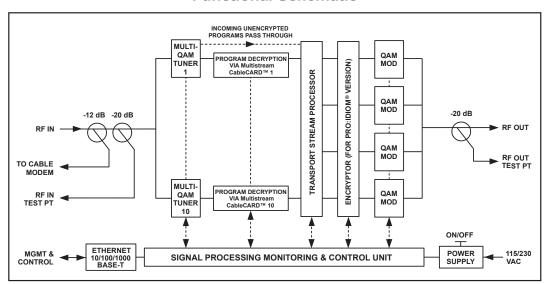
Features:

- ▶ The UCrypt® QAM to QAM product offering allows MSOs to decrypt select programs from their digital tier, re-encrypt them with Pro:Idiom® or leave them in-the-clear & retransmit them via QAM 64 or 256
- ▶ Ideal for providing a full complement of reclaimed analog channels in digital SD as well as providing additional HD channels to any hospitality or bulk MDU accounts affected by analog tier migration initiatives
- ▶ 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
- ▶ Features a true field-upgradeable design to easily add channel capacity on an as-required basis as well as easily replaceable redundant power supply modules
- ▶ HTTPS-based management interface allows operators to monitor, manage & configure the product remotely





Functional Schematic





UCrypt® QAM to QAM v2 with Pro:Idiom® Encryption:

UCrypt® QAM to QAM v2 Specifications

SPECIFICATIONS		
INPUT		
RF QAM	Up to 60 64 QAM & 256 QAM Tuners (1)	
RF QPSK	Complies with ANSI/SCTE 55-1&2 2.048 Mbps & 1.544/3.088 Mbps, ANSI/SCTE 40	
CONNECTOR	F Connector; Chassis Rear	
FREQUENCY RANGE	54 MHz - 1 GHz in 1 kHz Steps, Supporting STD, IRC, HRC	
ADJACENT QAM CHANNEL REQUIREMENT	None; All Tuners Individually Agile	
RF INPUT	+5 to +10 dBmV per Digital Carrier	
RF INPUT TEST	-20 dB Relative to Input; F Connector, Chassis Rear	
TS PROCESSING		
PASSED CONTENT	Decrypt up to 60 Programs ⁽¹⁾ Using up to 10 Multistream CableCARD™ Devices Remaining Unencrypted Content can be Transferred to the Device Output	
CABLECARD DECRYPTION	Supports Motorola, Scientific Atlanta/Cisco, & NDS	
MULTIPLEXING CAPACITY	Flexible Creation of up to 32 SPTS and/or MPTS ⁽¹⁾ (38.8 Mbps max each) with PAT/PMT Generation per TS	
ENCRYPTION	Pro:Idiom Encrypted Multiplex or Unencrypted Multiplex	
ENCRYPTION CAPACITY	Up to 32 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	
ОИТРИТ		
RF	Up to 32 64 QAM & 256 QAM Channels ⁽¹⁾ in Groups of 4 Adjacent QAMs	
FREQUENCY RANGE	54 MHz - 1 GHz in 1 kHz Steps, Supporting STD, IRC, HRC	
LEVEL	38 dBmV +/- 2 dB per Digital Carrier	
MER	> 40 dB	
CONNECTOR	F Connector; Chassis Rear	
RF OUTPUT TEST	-20 dB Relative to Output; F Connector, Chassis Rear	
DEVICE MANAGEMENT	-20 db Nelative to Odiput, i Gorinector, Orlassis Near	
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	
	F Connector Provided for Optional MSO Supplied	
REMOTE MANAGEMENT SUPPORT	Cable Modem Installation for Remote Management	
ALARMS	Email Notification, SNMP Traps	
EAS		
MODES	Support for ANSI/SCTE 18 Compliant & Non-compliant Devices	
PHYSICAL & ENVIRONMENTAL		
FORM FACTOR	3RU, 19" Rack Mount	
DIMENSIONS	5.25"H x 19.0"W x 23.96"D (13.34H x 48.26W x 60.86D cm)	
WEIGHT (Max)	50.2 lbs (22.8 kg)	
INPUT POWER	4.0 Amps @ 115 VAC, 2.0 Amps @ 230 VAC	
POWER REDUNDANCY	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:		

NOTES:

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⁽¹⁾ Depends upon ordered hardware options.



UCrypt® QAM to QAM v2 with Pro:Idiom® Encryption:

Ordering Information

Part Number	Description	
UC 2.0 Q2Q with PRO:IDIOM Output		
UCT*/8P	UC2 Q2Q * Tuner/Decrypt 8 QAM Pro:Idiom Out (* = Number of Tuners, ie. 6, 12,18, 24, 30, 36, 42, 48, 54 or 60)	
UCT*/16P	UC2 Q2Q * Tuner/Decrypt 16 QAM Pro:Idiom Out (* = Number of Tuners, ie. 12,18, 24, 30, 36, 42, 48, 54 or 60)	
UCT*/24P	UC2 Q2Q * Tuner/Decrypt 24 QAM Pro:Idiom Out (* = Number of Tuners, ie. 18, 24, 30, 36, 42, 48, 54 or 60)	
UCT*/32P	UC2 Q2Q * Tuner/Decrypt 32 QAM Pro:Idiom Out (* = Number of Tuners, ie. 36, 42, 48, 54 or 60)	
UC 2.0 Q2Q with CLEAR Output		
UCT*/8	UC2 Q2Q * Tuner/Decrypt 8 QAM Clear Out (* = Number of Tuners, ie. 6, 12,18, 24, 30, 36, 42, 48, 54 or 60)	
UCT*/16	UC2 Q2Q * Tuner/Decrypt 16 QAM Clear Out (* = Number of Tuners, ie. 12,18, 24, 30, 36, 42, 48, 54 or 60)	
UCT*/24	UC2 Q2Q * Tuner/Decrypt 24 QAM Clear Out (* = Number of Tuners, ie. 18, 24, 30, 36, 42, 48, 54 or 60)	
UCT*/32	UC2 Q2Q * Tuner/Decrypt 32 QAM Clear Out (* = Number of Tuners, ie. 36, 42, 48, 54 or 60)	

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