

Features:

- The UCrypt[®] QAM to IP product offering allows MSOs to decrypt select programs from their digital tier, re-encrypt them with Pro:Idiom[®], Verimatrix[®] or leave them in-the-clear & retransmit them over GigE-based IP protocol
- Perfect for providing content to commercial or hospitality environments with deployed IPTV systems or for use within other system architectures requiring Pro:Idiom or Verimatrix encrypted content or in-the-clear content in IP format
- Supports MPEG-2 & H.264 streams
- Configurable multicast IP & port assignments for output streams
- ▶ Features intelligent "plant following" functionality to ensure output programs are maintained during cable plant program moves
- Includes an easy-to-use management interface which allows users to select programs to be decrypted and/or passed through to the output of the device & assign them to desired IP multicast addresses
- 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





cable equipment, inc. www.tonercable.com

Ordering Information

Part Number	Description	
UC 2.0 Q2IP with Unencrypted Output		
UCT12QIP	UC2 Q2IP 12 Tuner/Decrypt IP Out	
UCT24QIP	UC2 Q2IP 24 Tuner/Decrypt IP Out	
UCT48QIP	UC2 Q2IP 48 Tuner/Decrypt IP Out	
UCT60QIP	UC2 Q2IP 60 Tuner/Decrypt IP Out	
UC 2.0 Q2IP with PRO:IDIOM Output		
UCT12PQIP	UC2 Q2IP 12 Tuner/Decrypt Pro: Idiom Encrypted IP Out	
UCT24PQIP	UC2 Q2IP 24 Tuner/Decrypt Pro:Idiom Encrypted IP Out	
UCT48PQIP	UC2 Q2IP 48 Tuner/Decrypt Pro: Idiom Encrypted IP Out	
UCT60PQIP	UC2 Q2IP 60 Tuner/Decrypt Pro:Idiom Encrypted IP Out	
UC 2.0 Q2IP with Verimatrix (Simulcrypt-based) Output		
UCT12SQIP	UC2 Q2IP 12 Tuner/Decrypt Verimatrix (Simulcrypt-based) Encrypted IP Out (SPTS only)	
UCT24SQIP	UC2 Q2IP 24 Tuner/Decrypt Verimatrix (Simulcrypt-based) Encrypted IP Out (SPTS only)	
UCT48SQIP	UC2 Q2IP 48 Tuner/Decrypt Verimatrix (Simulcrypt-based) Encrypted IP Out (SPTS only)	
UCT60SQIP	UC2 Q2IP 60 Tuner/Decrypt Verimatrix (Simulcrypt-based) Encrypted IP Out (SPTS only)	
UC 2.0 Q2IP with PRO:IDIOM or Verimatrix (Simulcrypt-based) Output		
UCT12XQIP	UC2 Q2IP 12 Tuner/Decrypt Pro:Idiom or Verimatrix (Simulcrypt-based) Encrypted (SPTS only) IP Out	
UCT24XQIP	UC2 Q2IP 24 Tuner/Decrypt Pro:Idiom or Verimatrix (Simulcrypt-based) Encrypted (SPTS only) IP Out	
UCT48XQIP	UC2 Q2IP 48 Tuner/Decrypt Pro:Idiom or Verimatrix (Simulcrypt-based) Encrypted (SPTS only) IP Out	
UCT60XQIP	UC2 Q2IP 60 Tuner/Decrypt Pro:Idiom or Verimatrix (Simulcrypt-based) Encrypted (SPTS only) IP Out	
UC 2.0 Q2IP with MUX Pass Through		
UCT60FMQIP	UC2 Q2IP 60 Tuner MUX Pass Through IP Out	
Verimatrix (Simulcrypt-based) Encryption Add-on		
UC-SCR-ADD	Post-sale Verimatrix (Simulcrypt-based) Encryption Functionality License (NOTE: This applies only to UCrypt hardware versions of v3.1 or later)	
Power Supply Modules		
UCTPSMOD-AC3	UCrypt AC Power Supply Module 3	
UCTPSMOD-DC1	UCrypt DC Power Supply Module 1	





UCrypt° QAM to IP Specifications

CONNECTOR F Connector; Chassis Rear FREQUENCY RANGE 54 MHz - 1 GHz in 1 kHz Steps, Supporting STD, IRC, HRC ADJACENT QAM CHANNEL REQUIREMENT None; AIT unres' Individually Aglie RF INPUT +5 to +10 dBmV per Digital Carrier RF INPUT TEST -20 dB Relative to Input; F Connector, Chassis Rear B PROCESSING Decrypt up to 60 Programs ⁽¹⁾ Using up to 10 Multistream CableCARD TM Devices Remaining Unencrypted Content can be Transferred to the Device Output Connector, Chassis Rear CABLECARD DECRYPTION Supports Motorola, Scientific Attanta/Cisco, & NDS MULTIPLEXING CAPACITY Pro:Idiom, Verimatrix (Simulory-based) or Unencrypted Output Options SUPPORTED VIDEO RESOLUTIONS Up to 60 programs. Pro:Idiom (MPTS or SPTS), Verimatrix (SPTS only) SUPPORTED VIDEO RESOLUTIONS Up to 720 Å 1060 SUPPORTED VIDEO RESOLUTIONS Up to 720 Å 1080 SUPPORTED VIDEO RESOLUTIONS Up to 720 Å 1080 SUPPORTED VIDEO RESOLUTIONS Dolby* Digital (AC-3), MPEG-1 L1/2 CLOSED CAPTION (CC) Pass through original EIA 608/708 Closed Captioning VERIMATIX MODES AES-ECB1, AES-ECB2 & AES-CBC1 OUTPUT IEEE 802.3-2002, 1000BASE-T (GbE) CONNECTORS Stat	SPECIFICATIONS				
RF QPSK Complies with ANSI/SCTE 55-1&2.2.048 Mbps & 1.544/3.088 Mbps, ANSI/SCTE 4 CONNECTOR F Connector; Chassis Rear REQUENCY RANGE 54 MHz - 16 Hz in 1 kHz 55 keps, Supporting STD, IRC, HRC ADJACENT QAM CHANNEL REQUIREMENT None; All Turners 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 Decrypt up to 60 Programs ¹¹⁰ Using up to 10 Multistream CableCARD ^{IM} Devices Remaining Unencrypted Content can be Transferred to the Device Output CABLECARD DECKPTION Supports Motorola, Scientific AttantaCisco, & NDS MULTIPLEXING CAPACITY Flexible Creation of SPTS and/or MPTS Multiplexes with PAT/PMT Generation per TS ENCRYPTION Pro:Idiom, Verimatrix (Simulcrypt-based) or Unencrypted Output Options SUPPORTED VIDEO FORMATS MPEG-2 MP@HL, MPEG-4 pt10 AVC/H.264 HP@L4 SUPPORTED VIDEO FORMATS Dolby* Digital (AC-3), MPEG-1 L1/2 CLOSED CAPTION (CC) Pass through original EIA 608/708 Closed Captioning VERIMATRIX MODES AES-ECE1, AES-ECE2 & AES-CBC1 OUTPUT IEEE 802.3-2002, 1000BASE-1 L1/2 CONNECTORS 3x RJ4Crassis Rear PHYSICAL PORT ADDRESS Statcl iP Address or DHCP Clien	INPUT				
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PHYSICAL & ENVIRONMENTAL		Support for ANSI/SCTE 18 Compliant & Non-compliant Devices			
FORM FACTOR 3RU, 19" Rack Mount		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) 45.9 lbs (20.8 kg)					
INPUT POWER 4.0 Amps @ 115 VAC, 2.0 Amps @ 230 VAC					
POWER REDUNDANCY Fully Redundant 650W 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 +40°C ⁽²⁾ (+32°F to +104°F)					
HUMIDITY 0-95% Non-condensing					
NOTES: (1) Depends upon ordered hardware options.					
(2) For details on exceeding +30°C, please refer to the UCrypt Environment & Temperature Considerations Info Sheet (#ANW1066).					
(3) Specific hardware is required.					
(4) User is able to select output encryption type, see ordering information.		-			
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Specifications Subject To Change Without Notice

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