

| References | | | QUAD COMPOSITE TO QAM | | DUAL COMPONENT TO QAM | | DUAL HDMI/ COMPONENT TO QAM | | |
|-------------------------------|---|---|--|--|---|------------------|---|------------------|----------------------------|
| | | | 563802 | 563821 | 563801 | 563811 | 563803 | 563831 | |
| INPUTS | VIDEO | Connectors | 4 sets – 1x RCA for video (CVBS) | | 2 sets – 3x RCA for video (Y, Pb, Pr) | | 2 sets – 3x RCA for video (Y, Pb, Pr) 2 sets – 2x HDMI (unencrypted) | | |
| | AUDIO | Connectors | 4 sets – 2x RCA for analog audio (L, R) | | 2 sets – 2x RCA for analog audio (L, R) | | 2 sets – 1x RCA for digital audio (PCM) | | |
| | CLOSED CAPTIONING | Connectors | 4 sets – 1x RCA (CVBS in) | | 2 sets – 1x RCA (CC in) | | | | |
| | EAS* | Connectors | n/a | 3xRCA (CVBS,L,R) | n/a | 3xRCA (CVBS,L,R) | n/a | 3xRCA (CVBS,L,R) | |
| | | Trigger | Vdc | n/a | 5-12 (Dry contact closure) | n/a | 5-12 (Dry contact closure) | n/a | 5-12 (Dry contact closure) |
| | ASI | Connectors | 1x BNC | | | | | | |
| | | Format | DVB-ASI | | | | | | |
| Standard | | ETSI EN 50083-9 | | | | | | | |
| QAM | Connectors | 1x "F" female (loop-through mix input) | | | | | | | |
| ENCODING PROFILE | VIDEO | Output Format | MPEG-2, H.264 | | | | | | |
| | | Resolution | 480i, 480p, 576i & 576p | 480i, 480p, 576i, 576p, 720p, 1080i (MPEG-2/H.264) & 1080p (H.264) | | | | | |
| | | Aspect Ratio | Supports auto-scan for input resolution | | | | | | |
| | | GOP Structure | 4:3, 16:9, and pass-through | | | | | | |
| | | Transport rate | I & P | | | | | | |
| | | Video bit rate | Variable | | | | | | |
| | AUDIO | Output format | Dolby® Digital AC-3 or MPEG-1 Layer 2 | | | | | | |
| | | Sampling rate | kHz | 48 | | | | | |
| Output bitrate | | Variable | | | | | | | |
| CLOSED CAPTIONING | Format | EIA-608 | | EIA-608, EIA-708 | | | | | |
| OUTPUT | QAM | Connectors | 1x "F" female | | | | | | |
| | | Modulation standards | ITU-A: 16, 32, 64, 128, 256, 512, 1024 QAM ITU-B: 64, 256 QAM | | | | | | |
| | | Frequency Range | MHz | 5 – 1002 MHz (supports return path applications) | | | | | |
| | | Channel plans | CATV STD, HRC, IRC, Broadcast, Frequency | | | | | | |
| | | Max output level | dBmV | 55 (43 with loop-through) | | | | | |
| | | MER | dB | >40 (Typ) | | | | | |
| | | Spurious | dBc | -60 | | | | | |
| | | Impedance | Ω | 75 | | | | | |
| | | I/Q Phase Error | ° | <1 | | | | | |
| | | I/Q Amplitude Imbalance | % | <1 | | | | | |
| | ASI | Connectors | 1x BNC | | | | | | |
| | | Format | DVB-ASI | | | | | | |
| ALARMS / MONITORING / CONTROL | Local control | Full configuration with LCD handheld programmer | | | | | | | |
| | Local monitoring | EAS status LED | | | | | | | |
| | | LOOP status LED | | | | | | | |
| | | QAM status LED | | | | | | | |
| | | TEMP status LED | | | | | | | |
| | | CH1/2 – CH3/4 status LEDs | CH1/2 status LED | | | | | | |
| | Ethernet status LEDs | | | | | | | | |
| Remote monitoring | Centralized web based remote control, management, alarms, and software upgrades | | | | | | | | |
| Control | Daisy-chain built-in ethernet switch | | | | | | | | |
| GENERAL | Power supply | Vdc | 24 | | | | | | |
| | Power dissipation | W | <19.2 (@1080p) | | | | | | |
| | Operating Temperature | °F/°C | 32 to 122 / 0 to 50 | | | | | | |
| | Storage Temperature | -13 to 158 / -25 to 70 | | | | | | | |