

6-channel MPEG-2 SD Encoder with built-in Multiplexer and QAM Modulator



SDQ6 Standard Definition Encoder/QAM 6-in-1

- Will encode up to six composite video and stereo audio inputs into one QAM
- QAM modes supported: Annex B, 64, and 256
- Codec: MPEG 2 MP@ML video compression
- Frequency range 54 to 864 MHz
- Maximum output level 40 dBmV
- 1 RU unit
- EAS and Closed Caption equipped
- Remote control via web browser
- PSIP tables allow user to configure virtual channel map for each channel

Specifications

INPUT INTERFACE

| | |
|---------------------|--|
| Video In | AV (Composite), 1 Vvp-p, 75Ω |
| Connector | 6 x RCA |
| Audio Input | 2 Vrms max. |
| Connector | 6 X RCA left and right |
| EAS video and audio | 3 RCA (video, audio L/R), Terminal strip |

ENCODER PROFILE

| | |
|---------------------------|------------------------------|
| Video output format | MPEG 2 SD MP@ML (ISO13818-2) |
| Video Chroma | 4:2:0 |
| Video resolution NTSC | 720 x 480 |
| Video resolution PAL | 720 x 576 |
| Video encoding data rates | 2.5 to 15 Mbps |
| Audio Output format | Dolby AC3 / MPEG 1 Layer2 |
| Audio Sampling Rate | 32 /44.1 /48 KHz |

MODULATION

| | |
|-------------------------|--|
| QAM modulation modes | 64 and 256 |
| Symbol rates | 5.057 MSps 64 QAM, 5.3605 Msps 254 QAM |
| FEC encoder | ANNEX B |
| MER | 40 dB |
| I/Q Phase error | 1° |
| I/Q Amplitude Imbalance | 1% |
| RF Output | |
| Frequency range | 54 to 864 MHz |
| Channel range | 2 to 135 |
| Frequency stability | ±5 KHz |

| | |
|-----------------------------|--------------|
| Output Level | 40 dBmV |
| Output Level range | 15 dB |
| Phase noise @ 10 KHz offset | -100 dBc /Hz |
| Spurious level | -60 dB |

ASI OUTPUT

| | |
|-----------|----------|
| Data rate | 213 Mbps |
|-----------|----------|

USER INTERFACE

| | |
|------------|-------------------------|
| LCD | 2 Lines x 16 characters |
| Navigation | 5 push buttons |

GENERAL

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|-----------------------------|-----------------------------|
| Operating temperature range | 0 to 50°C |
| AC Power , switchable | 110 to 240 VAC, 50 to 60 Hz |

MECHANICAL

| | |
|-----------------------|-------------------|
| Dimensions: W x D x H | 19" x 17" x 1.75" |
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Ordering Information

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