



## 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	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	48 dB
Output Level range	15 dB
Phase noise @ 10 KHz offset	-100 dBc /Hz
Spurious level	-60 dB

### ASI OUTPUT

Data rate	213 Mbps
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### USER INTERFACE

LCD	2 Lines x 16 characters
Navigation	5 push buttons

### GENERAL

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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