



SDQ6

6 Channel SD Encoder QAM/Modulator



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DESCRIPTION

Pico Digital's SDQ6 is a high-performance MPEG2 video encoder that allows the encoding of six composite video and Dolby stereo inputs into a multiplexed QAM and ASI outputs. The single rack spaced SD encoder offers PSIP virtual channel mapping of each channel in addition to EAS and closed captioning. With up to 40 dB of RF output and the ability for remotely controlled access, all these standard features make the SDQ6 the most cost effective encoder in the marketplace. Ideal uses for the SD encoder include commercial residential properties, academic and medical facilities, local area network applications for both CATV and broadcast as well as the hospitality industry.

FEATURES

- 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



(Back Panel)

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	40 dB
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

Operating Temperature Range	0 to 50°C
AC Power , Switchable	110 to 240 VAC, 50 to 60 Hz

MECHANICAL

Dimensions 19"(L) x 17"(D) x 1.75" (H)

ORDERING INFORMATION

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