

“In today’s fast-paced, market, Digital television is a new way to broadcast the future. Digital Set Top Boxes have become a key component allowing people to access many services offered by the cable operator”

Digital Set Top Box

QAC-1643/16EM

The deployment of digital television and interactive services are already here. Digital television offers a potential mechanism through which every home, school, business and community center in the world could interact with different services. Digital television opens a new world of opportunities for companies to develop and utilize their existing network infrastructures.

FEATURES

- Decodes incoming digital signals.
- Verifies access rights and security levels.
- Displays high quality pictures on your television.
- Digital surround sound output.
- Process and renders interactive television services.
- High Speed Haier processor and high memory capacity
- High quality THOMSON Tuner
- In built Smart card CAS system
- Capable of receiving Messages
- DVB-C Standard / MPEG-2 Compliant
- PAL and NTSC Automatic system compatibility
- Multi QAM demodulation: (QAM 16,QAM32,QAM 64,QAM128 andQAM256)
- Tele-Text / Data Broadcast Support
- Up to 1000 Digital Programs store in memory
- Support EPG (Electronic Program Guide)
- NIT Auto Search Programs
- Favorite Channels
- Parental Control
- Aspect Ration 4:3 and 16:9
- Multi-Language Menu (English, Spanish and Portuguese)
- User Friendly Menu
- Firmware can be upgradeable over the air and with RS232
- Right, Left, Stereo and Mono Audio
- Auto-Power off memory
- High Quality Auto Switching Power Supply

WE IDENTIFY THE BEST
TECHNOLOGIES TO FIT YOUR
GOALS AND BUDGET.
WE THEN ENSURE THOSE
TECHNOLOGIES CONTINUE TO
WORK WELL INTO THE FUTURE.

Technical specification

Input frequency range	78MH z- 855MHz
Input impedance	75 Ω
Processing speed rate	166MHz
Flash memory	16-64Mbit
SDRAM	64-256Mbit
RF input interface	F-type
Input level	-15 dBmV-+20dBmV
Carrier and noise threshold ratio	<28dB/ 64QAM/ 6.952M-baud
Constellation	QAM 16/32/64/128/256
Symbol ratio	1.6 Mbaud-6.95Mbaud
Video output	1 V-p-p two channel/75 Ω
Video frequency response	\leq + 0.5dB(within 5MHz)
Video demodulator pattern	ISO/IEC13818-2 MPEG-2 MP@ML
Single channel video compressing bit rate	2-15 Mbps-Adjustable continece
Resolution	720x576/max / Adjustable with signal received
K coefficient	\leq 3%
DG	\leq 5%
DP	\leq 5 $^{\circ}$
Audio demodulator pattern	MPEG-1 Layer 1 / Layer 2
Audio working pattern	Mono / Stereo
Audio sampling freq	32 KHz/ 44.1KHz / 48KHz
Audio output	SPDIF - L + R or mono 0.775Vrms600 Ω
Audio frequency response	+ 0.5dB / 60Hz-18kHz
Output interface	RCA / YPbPr / F-type
Data output	RS-232 / DB9
Working temperatura	+5 $^{\circ}$ C - +40 $^{\circ}$ C
Storage temperatura	-10 $^{\circ}$ C - +70 $^{\circ}$ C
Power supply	AC 80VAC - 265VAC - 47Hz-63Hz
Consumption	25W



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