

*"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-2000/21MHD/SW

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.

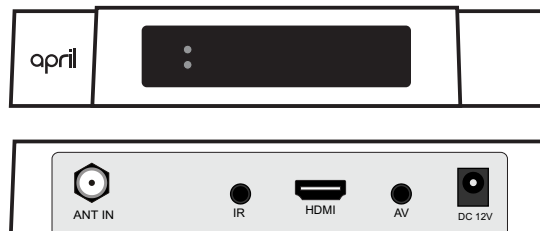
#### FEATURES

- Decodes incoming digital signals.
- Verifies access rights and security levels.
- Displays high quality pictures on your television.
- Process and renders interactive television services.
- High Speed MSTAR processor
- High quality NUTUNE Tuner
- In built Smart card CAS system
- Capable of receiving Messages
- DVB-C Standard / MPEG-2 / H.264 (SD/HD)
- PAL and NTSC Automatic system compatibility
- Multi QAM demodulation: (QAM 16, QAM32, QAM 64, QAM128 and QAM256)
- Tele-Text / Data Broadcast Support
- Dolby Surround System (AC-3)
- Subtitle integration
- Media Player (MP3 / JPEG / MPEG)
- Up to 1000 Digital Programs store in memory
- Supports EPG (Electronic Program Guide)
- NIT Auto Search Programs
- Favorite Channels
- Parental Control
- Aspect Ratio 4:3 and 16:9
- Multi-Language Menu (English / Spanish)
- User Friendly Menu
- Firmware can be upgradeable over coaxial and USB
- Right, Left, Stereo and Mono Audio
- Auto-Power off memory
- High Quality Auto Switching Power Supply
- DVR functionality (external storage)
- Live Recording / Schedule

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	54MHz- 855MHz
Input impedance	75Ω
Processing speed rate	220MHz
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 (Composite)	1 V-p-p two channel/75Ω
Video Output (HDMI)	1920x1080i (max)
Video frequency response	≤+ 0.5dB(within 5MHz)
Video demodulator pattern	ISO/IEC 13818-2 MPEG-2 MP@ML ISO/IEC 14496-10 H.264
Single channel video compressing bit rate	2-15 Mbps-Adjustable continece
K coefficient	≤3%
DG	≤5%
DP	≤5°
Audio demodulator pattern	MPEG-1 Layer 1 / Layer 2 / AC-3
Audio working pattern	Mono / Stereo
Audio sampling freq	32 KHz/ 44.1KHz / 48KHz
Audio output	L + R or mono 0.775Vrms600 (Digital Output)
Audio frequency response	+ 0.5dB / 60Hz-18kHz
Output interface	Infra Red / RCA / HDMI
Working temperatura	+5°C - +40°C
Storage temperatura	-10°C - +70°C
Power supply	External 12VDC 1.5AC 100VAC - 240VAC - 50Hz-63Hz 0.5A
Connection	USB (Media Player / PVR)
Color	Black



**april**  
Digital