The Contemporary Research ATSC series HDTV Tuners are durable and designed for 24/7 operation. Featuring universal reception, the units can decode MPEG2 and MPEG4 programs from off-air ATSC and cable clear QAM channels, as well as analog channels.

With a focus on integration, the tuners support RS-232, IP Telnet ASCII commands and IR/Wired IR codes. Onboard Web pages allow remote control, setup and monitoring. Full onboard scaling outputs video at a set resolution, up to 1080p.

Full ready-made programming modules are available from AMX, Crestron, Extron, and RTI control systems. The tuners can maintain two channel lists for cable and off-air channels, and the optional RF-AB interface can automatically switch between off-air and cable feeds.

232-ATSC 4 HDTV Tuner

- HDMI output, up to 1080p
- Component and RGBHV outputs, up to 1080p
- Composite NTSC Video, output with captioning data
- Analog Stereo, and SPDIF coax and optical audio outputs
- HDMI, Composite and audio outputs are simultaneous
- Either the RGBHV or Component outputs can be switched for active HD analog output

ATSC-SDI 4 HDTV Tuner with SDI

- SDI output sends the current tuned program, with embedded AES/AC-3 audio, captioning and V-Chip data
- Component output
- Analog Stereo and SPDIF coax and optical audio outputs
- All outputs are simultaneous
Shared Features

Physical
- 8.5” [216mm] wide x 1.75” [44mm] height (1RU) x 8.0” [203mm] deep
- 2.25 lbs [1 kg]
- 1RU Rack mounting for one or two units side-by-side (RK1, RK2EZ)

Tuning
- Cable/RF input, switchable with optional RF-AB RF A-B Switch
- Type: ATSC, NTSC and Clear QAM DTV Standards: (1080i/720p/480p/480i)
- Aspect Ratio: Adjustable, variety of modes for 16:9 and 4:3 broadcasts
- Captioning: Analog and Digital, set by program for size, font, and attributes

Front Panel
- Power, Menu, Setup and Select buttons
- Up and Down (Channel), Left and Right (Volume) buttons
- Text Display, white text on blue LCD, channel and setup information
- IR Sensor, Mini USB Port for control and drag-and-drop firmware updates

Back Panel
- RF Input: Air/Cable, ‘F’, female, 75 ohm impedance, -10 to 25 dBmV typical
- Supports dual Cable and Air tuning with optional RF-AB RF A-B Switch
- Control
  - Refresh Rates: 60 or 59.94 Hz for 1080i/720p, 60 Hz for 1080p
  - RJ-45 10/100 Ethernet: Ethernet, Web page:
  - RS-232: DB-9 male, RS-232 data link to control system
  - 300 to 19,200 baud (9600 default), 8 data bits, no parity, 1 stop bit
- IR: 3.5 mm stereo input for external IR sensor or wired IR, discrete codes available
- Air/Cable: 3.5 mm output to operate the optional RF-AB RF A-B Switch
- Power: 2.1mm coaxial jack (inside center conductor positive)
- 1 A maximum, 11 to 14 VDC, 12 VDC typical
- Service: USB port for HD processor firmware upgrades

Includes
- HD2-RC IR Remote
- Switching power supply, 1.5 A 12 VDC, option for 6A supply for up to 3 tuners

Options
- RK1 Single Rack Kit, 1RU
- RK2-EZ Dual Rack Kit, 1RU
- RF-AB RF A-B Switch, self-terminating, closure controlled
- CC-COM RS-232 Null Modem Cable
- IR-RXC External IR Receiver

CR products feature a full three-year warranty.