



Applications

Boardrooms
Classrooms
Training Centers
Broadcast Testing
Command and Control Centers

Sales Support

*Need help finding integration solutions for your application? Our **Sales Support** staff will be happy to work with you, providing expert integration assistance and a complete systems proposal.*

Tech Support

Need tech help? Give us a call. Our tech support staff are experts in the integration industry, so we can research solutions in the proposal stage, advise on programming requirements, and resolve installation issues.

Our job is to make our solutions work seamlessly with your system, performing as promised.

Related Products

ATSC-SDI HDTV Tuner + SDI

The new **232-ATSC 4 HDTV Tuner**, our 4th-generation HDTV tuner, adds new capabilities to the industry-standard 232-ATSC series. New features include tuning MPEG-4 programs, up to 1080p output, and more efficient operation. The new tuner is fully compatible with control commands for previous models.

The integrator-friendly HDTV tuner is controllable with 2-way RS-232 and IP Telnet, as well as wireless and wired IR commands. An onboard Web page enables remote Web control. A new menu-driven display simplifies setup, and a front-panel USB port makes firmware updates a snap. The new compact enclosure allows mounting of two tuners in a single rack space.

A universal TV tuner, the 232-ATSC 4 can receive both analog and digital MPEG-2/MPEG-4 channels, in ATSC, NTSC, and clear QAM formats. Using an optional RF switcher, the tuner can switch between antenna and cable feeds.

Features

- Tunes analog and digital channels in ATSC, NTSC, and clear QAM formats
- Accepts MPEG-4 TV channels, as well as standard MPEG-2
- Scales video output from 480p to 1080p
- Simulcasts from HDMI and composite video ports, as well as stereo, and digital coax and Toslink optical audio ports
- Switches to RGBHV or Component output from front-panel settings, Web page or control commands
- Dolby® 5.1 or PCM/Variable PCM digital audio formats for digital audio ports and HDMI
- Front-panel text and on-screen menus for tuner setup
- Web pages for remote setup and control
- Supports dual Air/Cable tuning with optional RF switch
- Analog and digital closed captioning
- Internal scaler displays channels at selected resolution
- Rack-mountable two across in 1RU
- Full ASCII 2-way RS-232/USB commands, AMX, Crestron, and RTI modules available, discrete IR commands
- RS-232 can be daisy-chained to control up to 9 tuners from a single RS-232 port, or control any number of tuners via IP
- Front-panel USB port for control firmware and rear USB for HD processor updates via a memory stick
- Meets RoHS and California energy-saving standards
- Includes HD2-RC IR remote and 12 VDC power supply
- Options for single and dual rack mounts, external RF-AB RF switch



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, RK2)
RoHS compliant and energy-efficiency meets new California standards

Tuning Cable/RF input, switchable with optional RF-AB RF A-B Switch
Type: ATSC, NTSC and Clear QAM (MPEG-2 and MPEG-4)
DTV Standards: (1080i/720p/480p/480i), scalable up to 1080p
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
Favorites: Favorite channel menu
Lock: Parental option for channels and/or rating

Front Panel Power, Menu, Setup and Select buttons
Up and Down (Channel Up and Down) buttons
Left and Right (Volume Up and Down) 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
New digital RF tuning for improved sensitivity

HD Outputs HDMI and switchable RGB/Component outputs operate simultaneously
Component: RCA Pr, Pb, Y outputs (1080i/720p/480p/480i)
RGB: RGBHV DB-15 female (1080p/1080i/720p/480p)
HDMI: HDMI receptacle (1080p/1080i/720p/480p), version 1.3
Digital Audio: HDMI, Coax and Toslink optical output, Dolby 5.1, PCM or PCM variable

AV Outputs Simultaneous with HD output
Composite Video: RCA female jack
Audio L and R: 2 stereo RCA female jacks, variable level

Control Ethernet, Web page: RJ-45 10/100 Ethernet connector
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

Service: Female USB-A port for memory stick HD processor updates (future)

Air/Cable 3.5 mm output to operate the RF-AB RF A-B Switch

Power 2.1mm coaxial jack (inside center conductor positive)
1.1 A maximum, 11 to 14 VDC, 12 VDC typical

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

Warranty

All CR products feature a full
two-year warranty.

