

ICC2-ATSC+ HDTV Tuner/Controller

Applications

Retail Stores
Sports Venues
Worship Spaces
Corporate Campuses
Entertainment Facilities



Sales Support

Planning a RF display control 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

QMOD HDTV Modulators
Display Express System
iC-Net Smart Display Controllers
iC-Net Display Controllers
iC-Net Head Ends

The ICC2-ATSC+ HDTV Tuner is an integrated HDTV tuner/controller that networks HD display monitors and projectors in an iC-Net and SignStream display control system. As a universal TV tuner, the ICC2-ATSC can receive ATSC, NTSC, and clear QAM cable channels from an MATV antenna or CATV cable RF system.

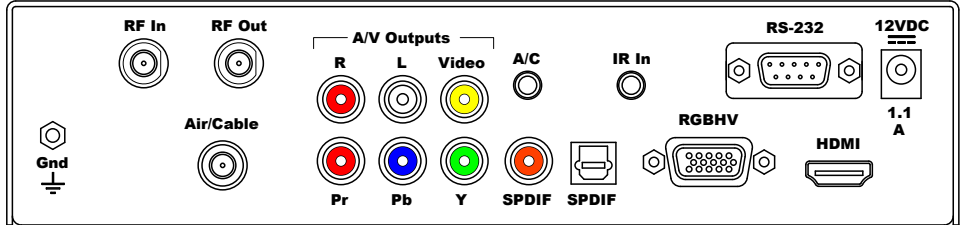
The tuner displays broadcasts through simultaneous HDMI and NTSC composite video, and switchable HD RGBHV or Component outputs. Full-time audio is available from digital 5.1 HDMI, digital optical and coax ports, as well as variable-level analog stereo audio outputs.

Features

- Controls displays through iC-Net technology, communicating via existing MATV/CATV coax wiring for 2-way control and status
- Communicates with SignStream servers, iC Commander software, and custom control systems
- Employs RS-232 control port for integrated display control
- Receives ATSC, NTSC, and clear QAM broadcasts in MATV or CATV RF systems
- Tunes channels lighting-fast with next-generation reception
- SmartScan technology automatically screens out encrypted channels while scanning
- Outputs HDMI and composite video simultaneously, switchable for HD RGBHV or Component
- Upscales NTSC broadcasts for HD output
- Offers 5.1 surround sound from HDMI, optical, and coax digital outputs and analog variable-level stereo output
- Sets up using on-screen menus, front-panel programming, control commands, and optional IR remote
- Displays closed-captioning text and on-screen channel names
- Features on-screen Electronic Program Guide, channel list, and Program Information
- Mounts to display or in 2RU standard or 1.5 RU space-saving rack kits (4 tuners can fit in 3 RU)
- Includes power supply and RF loop cable
- Meets RoHS safety and California energy standards

ICC2-ATSC+ HDTV Tuner/Controller

Specifications



ICC2-ATSC+



HD2-RC

Warranty

All CR products feature a full two-year warranty.

Feature	
Type	Universal NTSC, digital ATSC and clear QAM Tuner
Physical	8.5" [216mm] wide x 2.0" [51mm] height (1.5 RU) x 8.0" [203mm] deep 1.14 lbs [860 g] 2/1.5RU Rack mounting for one or two units side-by-side optional (RK1/2-HD+, RK2S-HD+) RoHS compliant and energy-efficiency meets new California standards
Tuning	Air/Cable RF inputs, optional RF switch allows dual Air and Cable tuning Type: ATSC, NTSC and Clear QAM DTV Standards: (1080i/720p/480p/480i) Aspect Ratio: Adjustable, variety of modes for widescreen 16:9 and normal 4:3 broadcasts Captioning: Analog and Digital, set by program or customized for size, font, and attributes Favorites: Favorite channel menu Lock: Parental option for channels and/or rating
Front Panel	RS-232 TX/RX LEDs (Yellow) Power button, Volume Up and Down, Channel Up and Down Channel Display (Red LED, dot for major/minor separator, dot for Air/Cable tuning) IR Sensor, NET LED (Green), RS-232 LEDs: RX (Yellow), TX (Red)
Back Panel	
RF	RF In: 'F', female, 75 ohm impedance, receives RF control channel RF Out: 'F', female, passes other channels to Air/Cable input Air/Cable Input: 'F', female, connect RF feed to tuner Programmable for cable or off-air tuning Control network carried over the same RF coax connection as TV channels Receive: Mid-band VHF, 74.7MHz, sent from iC-Net Head End Transmit: Sub-band, 5.6MHz sent to Head-End Network Controller ±80 KHz max carrier deviation, +49dBmV nominal
HD Outputs	Switchable HD RGBHV and Component outputs Component: RCA Pr, Pb, Y outputs (1080i/720p/480p/480i) RGBHV: RGB DB-15 female (1080i/720p/480p) HDMI: HDMI receptacle (1080i/720p/480p), version 1.3, includes digital audio Digital Audio S/PDIF: Coax and Toslink optical output, 5.1 AC3 or PCM
AV Outputs	Simultaneous with HD output Composite Video: RCA female jack Audio L and R: 2 stereo RCA female jacks, variable level
RS-232 Control	DB-9 male, RS-232 data link to RS-232 controlled display 300 to 19,200 baud (9600 default), 8 data bits, no parity, 1 stop bit
IR Control	3.5 mm stereo input for external IR sensor or wired IR, discrete codes available
A/C Contact	A/C (Air/Cable): 3.5 mm output to operate optional RF-AB RF Switch
Power	2.1mm coaxial jack (inside center conductor positive) 1 A maximum, 11.5 to 15 VDC, 12 VDC typical
Includes	HD2-RC IR Remote and 1.5A 12 VDC power supply
Options	RK1/RK2-HD+ Single or Dual Rack Kit, 2RU RK1S/RK2S-HD+ Single or Dual Space-Saver Rack, 1.5RU (reverse mount to stack) CC-232 RS-232 Cable RF-AB RF Switch IR-RXC External IR Receiver