

ICC2-ATSC HDTV Tuner/Controller

Applications

Classrooms
Retail Stores
Sports Venues
Worship Spaces
Corporate Campuses
Entertainment Facilities



Sales Support

Planning an iC-Net or SignStream 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

SignStream HDTV Digital Signage
Display Express Server
PoleCat Projector Solutions
232-Amp Stereo Mixer/Amplifier
iC-Net Smart Display Controllers

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.

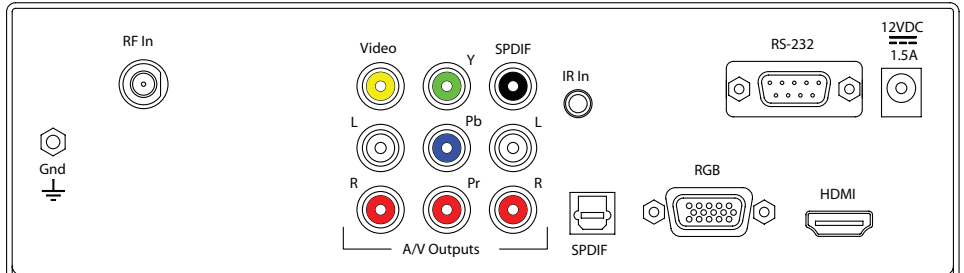
The tuner displays broadcasts through simultaneous HDMI, RGB/Component, and NTSC composite video or connections. Full-time audio is available from Dolby® 5.1/PCM digital HDMI, optical, and coax ports, as well as variable-level analog stereo audio outputs.

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, includes onboard database of display control commands
- Receives ATSC, NTSC, and clear QAM broadcasts in MATV or CATV RF systems
- Tunes channels lightning-fast with next-generation reception
- Outputs HDMI, RGB/Component, and composite NTSC video simultaneously
- Upscales NTSC broadcasts for HD output
- Offers 5.1/PCM/Variable PCM surround sound from HDMI, optical, and coax digital outputs and analog variable-level stereo output
- Sets up using front-panel, wireless IR remote, on-screen menus, and control commands
- 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 single (RK1-HD) or dual (RK2-HD) 19" rack kits
- Includes energy-efficient switching power supply
- Combines with PoleCat™ pole mount and 232-Amp for integrated, pole-mounted video projection installations
- 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 2.43" [62mm] height (2RU) x 8.0" [203mm] deep 2.0 lbs [0.9 kg] Rack mounting for one or two units side-by-side optional (RK1-HD, RK2-HD) RoHS compliant and energy-efficiency meets new California standards
Tuning	Switchable Cable and Off-Air RF inputs 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/DC Power (Green), RS-232 LEDs: RX (Yellow), TX (Red)
Back Panel	
RF Input	'F', female, 75 ohm impedance 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	HDMI and switchable RGB/Component outputs operate simultaneously Component: RCA Pr, Pb, Y outputs (1080i/720p/480p/480i) RGB: RGB DB-15 female (1080i/720p/480p) HDMI: HDMI receptacle (1080i/720p/480p), version 1.2, includes digital PCM audio, HDCP Digital Audio S/PDIF: 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
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
Power	2.1mm coaxial jack (inside center conductor positive) 1.5 A maximum, 11.5 to 15 VDC, 12 VDC typical
Includes	Switching 1.5A 12 VDC power supply
Options	HD2-RC IR Remote - at least one per system IR-RXC External IR Receiver RK-HD1 Single Rack Kit or RK-HD2 Dual Rack Kit CC-232 or CC-COM RS-232 Cable PMT-2 PoleCat Pole Mount