

ATSC-mini HDTV Tuner

DATA SHEET



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The ATSC-mini is an HDTV Tuner designed for use with HD and UHD video displays and projectors in a distributed CATV system. Housed in a new, smaller low-profile enclosure, the unit with built in mounting wings can be attached flush to walls or displays.

As a full function HDTV tuner, the ATSC-mini can receive ATSC and NTSC off-air channels and clear QAM and NTSC cable channels. Decoding of MPEG-2 and H.264 encoded digital channels is supported. The unit features an HDMI output along with SPDIF optical and variable-level analog stereo audio outputs.

The integrator-friendly HDTV tuner is controllable with 2-way RS-232, IP Telnet and UDP, as well as wireless and wired IR commands. An onboard Web page enables remote configuration, control, and monitoring.

FEATURES

- Tunes ATSC air and clear QAM cable channels
- Tunes NTSC air and cable channels
- Decodes MPEG-2 and H.264 digital channels up to 1080p 60Hz
- HDMI selectable video output resolutions: 480i, 480p, 720p, 1080i, 1080p, and 4K or Auto
- Consumer Electronics Control (CEC) available on HDMI port for display power control
- AC-3, PCM, or Variable PCM audio formats for S/PDIF and HDMI outputs
- Simultaneous HDMI, S/PDIF, and Analog Stereo Audio output
- On-screen menus for tuner setup and configuration
- Web pages for remote setup, configuration, and control
- Decodes analog and digital closed captioning
- Full ASCII 2-way RS-232/Telnet commands
- Powered via external 12 VDC 1 A power supply or PoE
- Meets RoHS and California energy-saving standards

SPECIFICATIONS

Physical	Size (WHD): 8" [203 mm] wide, 8.6" [218 mm] with mounting wings x 1.150" [29 mm] height x 3.6" [91 mm] deep Weight: .877 lbs [398 g] Enclosure: Aluminum with black powder coat paint Mounting: Hook-and-loop fasteners or screw attachment Certification: ROHS compliant, meets California codes
Front Panel	Control: Power, Menu, and Select buttons, Up and Down buttons for channel, volume, and navigation LEDs: Power and Data USB: For future use
Rear Panel	USB: Service port for firmware updates Air/Cable: 1 'F', female, 75 ohm impedance, Tuner RF input, -10 to +25 dBmV typical Audio: 3.5 mm TRS jack, analog stereo, variable level HDMI: HDMI receptacle, Type A, video and digital audio, version 1.4a (2160p/1080p/1080i/720p/480p/480i) SPDIF: Optical digital audio output RS-232: DB-9 male, RS-232 data link to control system, 1200 to 230K baud Ethernet: RJ-45 10/100 for Web page access, Telnet and UDP control, firmware updates, PoE I/O: For future use IR In: 3.5 mm TRS input for external IR sensor or wired IR (no carrier, discrete codes available) Power In: 2.1 mm coaxial jack (inside center conductor positive) 0.6 A maximum, 11.5 to 15 VDC, 12 VDC typical
Tuning	Frequency Range: 51.0027 to 864 MHz TV System: ATSC 1.0, clear QAM, NTSC Channels: Air 2-69 (8-VSB and NTSC) and CATV 2-135 (64QAM, 256QAM, 8-VSB, and NTSC), Standard, IRC, and HRC V-Chip: Supports parental channel block based on US and Canadian ratings
Decoding	Video: MPEG-2 (1080i/720p/480p/480i), H.264 (1080p/1080i/720p/480p/480i) Audio: AC-3, MPEG-1 Layer 2, AAC
Captioning	On-Screen: Displays on-screen analog and digital captioning on HDMI port

Includes

PS12-1 Switching power supply, 12 VDC 1 A

Options

HD2-RC Handheld IR Remote, 4 AAA batteries

IR-RXD External IR Receiver

CC-COM RS-232 Null Modem Cable