

## Technical Specification

# TT-micro<sup>®</sup> C831 HDTV

Digital cable receiver with Conax encryption



Based on TT-micro<sup>®</sup> product family

### BASICS

- Pay- and Free-TV HDTV DVB cable receiver compliant to EN 300 429
- Suitable for SD- and HD-channel portfolio, for example KabelKiosk including RTL-HD, Sat1-HD
- MPEG-2 and MPEG-4 AVC/H.264 video-decoding
- Smart Card Slot behind lid
- HDMI Digital Video output with HDCP
- Video Decoding:
  - ISO/IEC 13818-2 (MPEG-2 Video) - MP@ML & MP@HL
  - ISO/IEC 14496-10 (MPEG-4/Part 10) - HP@4L
  - High Definition and Standard Definition: 1080i50, 720p50, 576i25, 576p50
- Audio Decoding:
  - ISO/IEC 13818-3 (MPEG-1/2, Layer 1, 2 & 3)
  - Dolby AC-3 pass-through and down-mix
- Audio- and Video out via SCART
- Digital Audio out via optical S/PDIF
- Analogue Audio-out (left/right) via RCA(Cinch)
- Embedded CAS: Conax CAS7 Chip-Pairing
- Update over the DVB cable network option (OTA) and via USB

### HIGHLIGHTS

- Receiving of KabelKiosk
- Embedded Conax encryption
- HDTV
- PVRready via USB
- CEC control over TV remote
- Picture Viewer
- Time shift
- 4-digit display
- Compact housing
- Ideal for HD-ready and full HD flat panel monitors
- Universal remote control

### FRONT PANEL



Conax compliant



### FREQUENCY SPECIFICATION

- QAM 16/32/64/128/256 demodulation support (EN 300 429)
- Frequency range: 47...862 MHz
- Symbol rate: 1.7...7 MSymbols/s
- Input connector: IEC 60169-2 type female
- Input termination: 75 Ω
- Loop-Through connector: IEC 60169-2 male
- Loop-Through output termination: 75Ω

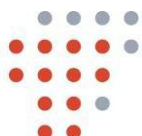
### BACK PANEL



### LOGOS



### REMOTE CONTROL



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Digital cable receiver with Conax encryption



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### STB MODE FUNCTIONALITY

- DVB cable TV and Radio reception
- Pay- and Free TV support
- Reception of High Definition and Standard Definition (HDTV and SDTV) TV programs
- Simultaneous display of HD content on HDMI with HD resolution and on SCART with SD resolution
- USB interface for external recording (PVRready)
- Recording via EPG and manual
- 1-Click-recording
- Time shift
- Picture Viewer (Single picture or slide show of all JPG files)
- Control with even any TV remote control via HDMI (CEC-HDMI)
- 4-digits LED display for program number or time in standby
- Excellent Easy-To-Use graphical user interface
- Context referred help function
- Automatic and manual channel scan
- Separate program lists for TV and Radio
- Up to 4 different favourite lists
- Up to 4000 programs storable
- Electronic Program Guide: present/following EPG, 7-Day-EPG plus additional Grid-EPG
- One-Touch Timer setting in EPG
- Aspect ratio: 4:3, 16:9, 2.21:1 (PAL only)
- Wide Screen Signalling (WSS)
- Multi language support, e.g. German, English, Turkish, Russian, Italian, French, Spanish, Portuguese, Polish, Czech, Greek, Slovenian, Croatian, Dutch, Swedish, Finnish, Danish, Norwegian
- Integrated tele text browser and tele text re-insertion (VBI)
- DVB and EBU subtitling support (ETS 300 743)

### STANDARD + REGULATION COMPLIANCE

- DVB cable standard EN 300 429
- MPEG-2 Transport Stream support to ISO/IEC 13818-1
- MPEG-2 Video/Audio support to ISO/IEC 13818-2, -3
- MPEG-4 Video/Audio support to ISO/IEC 14496-10
- Tele text in VBI according to EN 300 472
- DVB subtitling according EN 300 743
- Safety and EMC regulations: EN 55013, EN 55020 and EN 60065

### INPUT / OUTPUT SPECIFICATION

- Input connector: IEC 60169-2 type female
- Loop-Through connector: IEC 60169-2 male
- Digital HDMI-Video out
- 1x SCART-out (TV) accordingly to EN 50049-1:
  - TV SCART-out: CVBS, Y/C, RGB, Audio
  - Switching signal: at PIN8 0/6/12 V; at PIN16 0/1-3 V
- RCA-out (Cinch):
  - Analogue Audio out (left/right) via RCA (Cinch)
- Digital Audio-out (PCM stereo, AC3) via optical S/PDIF
- Smart Card Interface
- USB 2.0

### POWER SUPPLY

- Power supply 230VAC/50Hz to 12VDC
- Operation power consumption less 11 W
- Power supply in stand by < 1 W

### ACCESSORIES

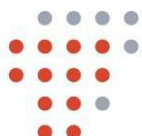
- Receiver (ca. 278 x 167 x 42 [mm])
- Power Supply Unit
- Standard HDMI® cable
- RF-Cable
- Universal remote Control inclusive battery
- Instruction manual: A5 format black/white
- Cardboard box

### COLOUR

- Black

### EAN

- 4 260064 633965



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