



TVCaster 300-FLEX CI

Application areas

- Live TV broadcast with unicast/multicast
- Personal TV access
- Customized IPTV workflows

TVCaster by Motama represents the next generation of IPTV server appliances. TVCaster is a turn-key solution offering all cutting-edge functionality you expect from an integrated DVB receiver, descrambler, remultiplexer, and IP streaming server. In addition, TVCaster offers advanced features, such as ultra-fast channel switching for individual users, integrated video recorder, extended streaming protocols, and clustering support. This all comes with unmatched openness and full programmability that allows you to seamlessly integrate the TVCaster appliance into your IPTV workflow.



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| <ul style="list-style-type: none"> ■ DVB to IP gateway | <ul style="list-style-type: none"> ■ 3x inputs: Arbitrary combination of DVB-S/S2, -C and -T in single 2 U unit ■ Mini-DiSEqC and DiSEqC 1.0 for DVB-S/S2 ■ 2x Common Interface (CI) slot for CAM supporting multi-service descrambling (EN50221) ■ Remultiplexer: Multi Program Transport Stream (MPTS) to Single Program Transport Stream (SPTS) ■ PID filtering ■ SDT/EIT filtering ■ PAT pass-through / generation |
| <ul style="list-style-type: none"> ■ Support for multiple modes / user groups | <ul style="list-style-type: none"> ■ Corporate Mode: Creation of unicast / multicast streams ■ Home Mode: Distinct assignment of tuners to clients with full section of all available TV channels and ultra-fast channel switching ■ Middleware Mode: Freely programmable stream processing on appliance or network wide |
| <ul style="list-style-type: none"> ■ Free Software Developer Kit (SDK) | <ul style="list-style-type: none"> ■ Fully remotely controllable using C++ API (Windows, Linux, Mac OS X), PHP, or XML-RPC (all platforms) ■ Client-side sample application, including channel switching ■ Full integration into distributed stream processing ■ Based on award winning Network-Integrated Multimedia Middleware (NMM) by Motama |

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- IP Streaming
 - 2x 1000 BaseT Gigabit Ethernet
 - 1x Mgmt (Management and Streaming)
 - 1x GbE (Streaming only)
 - Output rate:
 - up to 500 Mbps
 - or 60 SDTV streams
 - or 40 HDTV streams
 - MPEG Transport Stream (MPEG-TS) for SDTV and HDTV
 - MPEG-2
 - MPEG-4 (H.264)
 - MPEG Audio, AC3, ...
 - Protocols:
 - Unicast / Multicast / Broadcast
 - UDP
 - RTP over UDP
 - Optimized TCP streaming (reliable)
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- Comfort features
 - Automatic channel search
 - Server-side electronic program guide (EPG)
 - Fully programmable digital video recorder with integrated hard disk
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- Administration
 - Linux system (kernel 2.6.x)
 - Web interface (http/https)
 - ssh
 - ftp
 - Integrated LCD panel: System setup and monitoring
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- Hardware
 - 2 U, 19" rack mountable
 - 3x inputs: Arbitrary combination as defined by customer
 - DVB-S/S2: LNB input: IEC F-type (female)
 - DVB-C input: IEC F-type (female)
 - DVB-T: TV aerial socket (IEC 169-2 female); adapter for IEC F-type (female) included
 - 2x CI slots for Conditional Access Modules (CAM)
 - 1x HDD 3,5" with 1 TB (24/7)
 - 2 GB main memory
 - VGA
 - 2x USB
 - Height x Width x Depth
 - 87 mm (3.4") x 430 mm (16.9") x 410 mm (16.1")
 - Voltage: 100V - 240V AC, 50-60 Hz
 - Weight: 9 kg
 - Power consumption:
 - < 4 W (standby), 65 W (idle) to 75 W (loaded)
 - High-quality server appliance assembled in Germany
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