

# RollingStream™ Media Console 1088

## IPTV SET TOP BOX

SoC BASED FEATURE-RICH SETTOP BOX (STB) DESIGNED FOR BOTH STANDARD DEFINITION AND HIGH DEFINITION UTILIZING H.264 AND OTHER CODECS



### APPLICATIONS:

- BROADCAST TV
- TIME-SHIFT TV (NETWORK PVR)
- VIDEO ON DEMAND

### KEY FEATURES:

- MULTI VIDEO CODEC SUPPORTS BOTH STANDARD AND HIGH DEFINITION
- TIME-SHIFT TV / NETWORK PVR
- VIDEO ON DEMAND
- TV MESSAGING, GAMING, TV COMMERCE

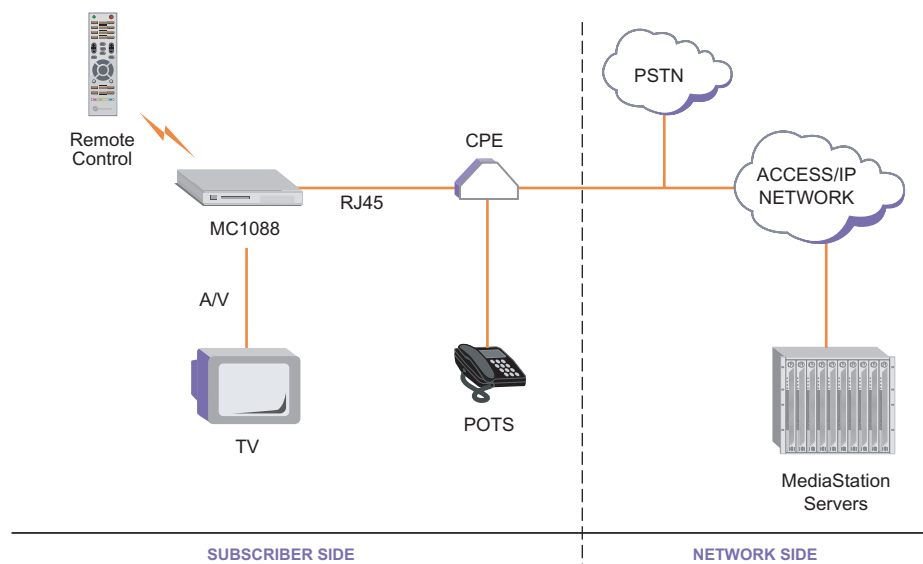
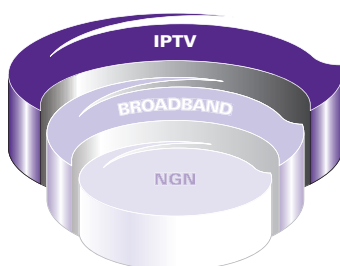
### PRODUCT DESCRIPTION

The MC1088 is a feature-rich, middle level STB member of the UTStarcom Media Console product family. Designed to meet service provider deployment requirements for IP-based multimedia service delivery, the MC1088 enables subscribers to access digital content via standard remote control over their conventional TVs.

The MC1088 interconnects with IP networks via a dedicated 10/100 Base-T Ethernet port that enables simple installation regardless of broadband access technology.

In addition to its super video (S-Video), digital audio (S/PDIF), analog video and audio outputs, the MC1088 also provides HDMI and component outputs to enable the subscriber to enjoy high definition video.

UTStarcom's Media Console family of STB products are elegant, compact and userfriendly. They provide the most current in-demand feature sets at extremely attractive price points. They are the preferred technology platforms for subscriber access to service provider IPTV network.



## SOFTWARE

### Operating System:

OS: Linux

### Platform:

Graphics:

- Support JPEG, PNG, BMP, GIF, Picture in Graphics, Picture in Picture, Alpha Blending

User Interface:

- Support Multi-Language Display/Input Method, FontEngine, Soft Keyboard, Remote Control Input

Network Protocol:

- Support Ethernet protocols, DHCP, PPPoE, BootP, DHCP, Static IP, PPPoE, UPnP, SNMP, IGMP
- Support HTTP1.0/HTTP1.1, Telnet, TFTP, FTP, SSL 2.0/3.0, TLS 1, DNS, NTP protocols
- Support MPEG2-TS or RTSP/RTP over UDP/IP
- Support concurrent IP over Ethernet and IP over PPPoE

Video and Audio:

- Support downscale conversion of high definition TV signals to standard-definition TV signals, and upscale conversion
- Support 16:9 and 4:3 video aspect ratios
- Support down conversion of surround sound audio to analog stereo audio

Copy Protection:

- Support Macrovision 7.0.1
- Support DRM

Upgrade:

- Support secure Software/Firmware online upgrade with recovery mechanism

Configuration:

- Support Startup/Run-time OSD configuration

NMS:

- Support STB Remote Management

## HARDWARE

### Video Codec

- Decode up to dual H.264 HP@L4.1
- MPEG-1
- MPEG-2 MP@HL
- H.264 BP@L3, MP@L4.1 and HP@L4.1
- MPEG-4 part 2 ASP@L5 (no GMC)

### Audio Codec

- Pulse Code Modulation (PCM) Audio
- MPEG-1 Layer I, II and III (MP3)
- MPEG-2 and MPEG-4 AAC, MPEG-4 AAC-LC/HE-AAC 2.0
- Dolby Digital 5.1, Dolby Digital Plus 7.1, Dolby Lossless 7.1

### Hardware & Mechanical Specification

- Processor: Media Processor @300MHz MIPS
- Memory: Up to 256MB DDR
- Flash: 128MB Flash
- Power Consumption: <20W, Support Power Save/Suspension Mode
- Power Adaptor: AC Input 100V ~ 240VAC and 50~60 Hz  
DC output: 12V @ 2A
- Physical Dimension: 275mm (L) x 205mm (D) x 55mm (H)
- Operating Environment: Temperature: 0°C ~ 40°C  
Humidity: 5%~95% (Non-condensing)
- Regulatory: RoHS, UL, FCC part 15, CE

### Rear Panel

- Power In (12V DC) \* 1
- Video Interfaces
  - Component Video Output \* 1
  - Composite Video Output \* 1
  - S-Video Output \* 1
  - HDMI \* 1
  - D4 \* 1 (Optional)
- Audio Interfaces
  - L+R RCA analog Stereo \* 1
  - Coaxial S/PDIF \* 1
  - Optical S/PDIF \* 1
- RJ45 10/100 Base-T Ethernet Port \* 1

### Front Panel

- Power Switch \* 1
- Infrared (IR) Receiver \* 1
- Control Keys \* 7 (Up, Down, Left, Right, Menu, Select, Cancel)
- USB2.0 \* 2 (optional)
- Indicator LED \* 4 (Link, IR, Caution, Active)
- Smart/SIM Card slot \* 1 (Optional)

### Accessories

- IR Remote Controller
- User Manual and Quick Start Guide
- Audio/Video Cable, Ethernet Cable.
- Infrared wireless or USB Keyboard/Mouse (Optional)



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### About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at [www.utstar.com](http://www.utstar.com)

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