

MULTI-CHANNEL IPTV STREAMING & RECORDING SERVER

PRODUCT DESCRIPTION

The ICUE media server provides extensive possibilities and functionalities and acts as crucial linchpin in your tailor made IPTV and streaming solution. The media server supports recording, import, playout, managing live streams and it provides content and user rights management. ICUE is the “all in one” solution.

ICUE media server provides live TV, time shift TV and VoD to users using web pages or software clients. User access to the streams using the simple web GUI is child’s play and the administrator can configure it for single users or user groups easily in a few steps.

Recordings of live streams can be preconfigured automated or manually or started directly by the user. Loop recordings are supported as well, e.g. compliance recording. Import of MPEG -TS video files is supported by using ICUE-PLAYER.

Video content managed by ICUE media server will get a comprehensive set of metadata like EPG, attributes, user access rights etc. These metadata make it possible to find content fast and easy by searching for it. Recorded and important videos can be watched as VoD or played as live play out channel, i.e. as info channel.

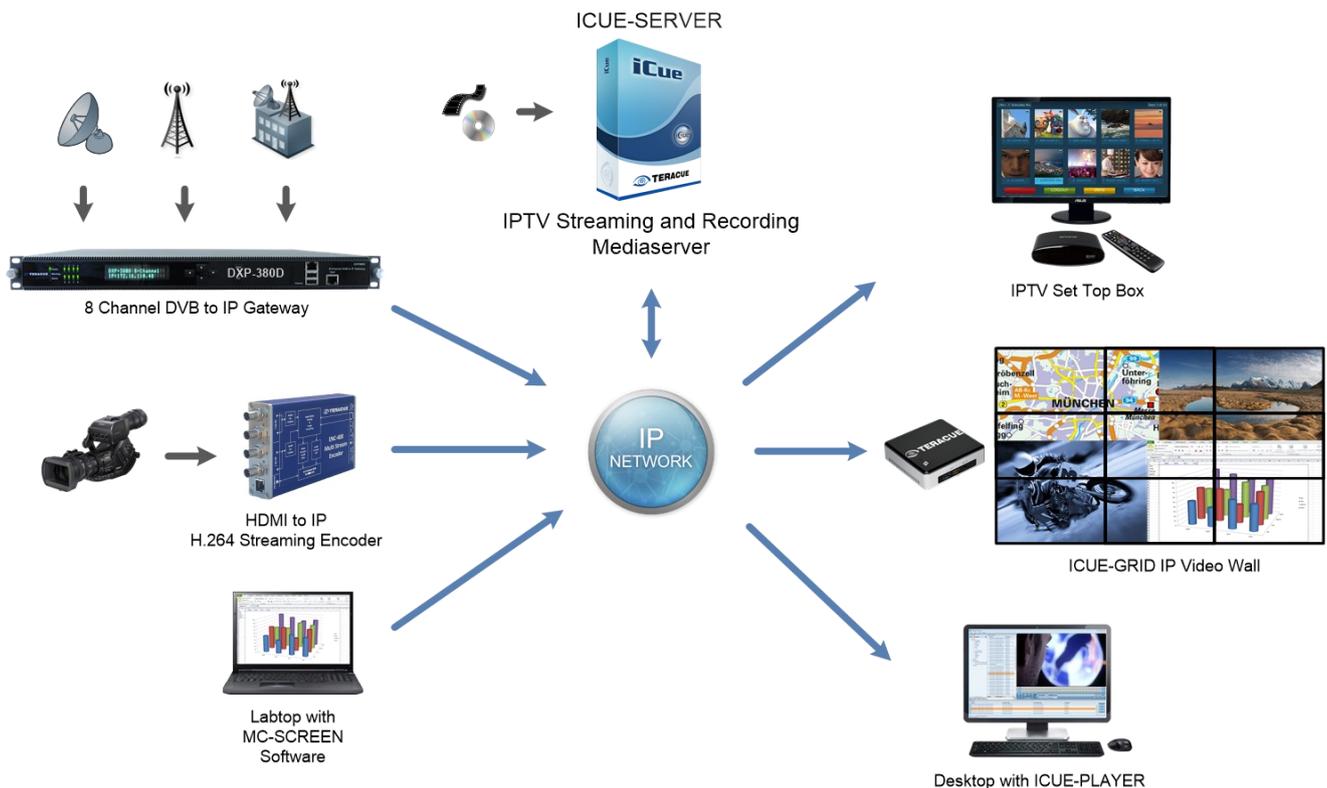


KEY FEATURES

- IPTV media server for streaming and recording
- Synchronized multichannel recording and playout
- Supports SD, HD, 4K, MPEG-2, H.264, H.265 HEVC
- User and rights management LDAP/ADS
- Multi program planning or playout as loop
- XML and TCP based API for external media controller
- Manual, scheduled and externally triggered recording

APPLICATION

- Digital corporate/campus TV
- In house VoD & clip archive
- Documentation and training
- Info channel and ad channels for digital signage
- Streaming playout for ICUE-GRID Video Wall
- Control room, broadcast, IPTV/OTT, digital signage
- Presentation & information systems



The ICUE media server is a software application providing below listed streaming capabilities and functions. It is available in different software versions. ICUE-LIVE is for live streams and provides user and rights management in combination with web GUI. ICUE100/1000/2000 additionally support recording and playout of video as VoD and playout. Using ICUE-2000 you can build redundant solutions with load balancing.

TECHNICAL SPECIFICATION	ICUE-LIVE	ICUE-100	ICUE-1000	ICUE-2000
User management:	✓	✓	✓	✓
Access management:	✓	✓	✓	✓
Max. data throughput:	n/a	150 Mbit/s	300 Mbit/s	Not Limited
Live streaming (Multicast):	✓	✓	✓	✓
Recordings:		✓	✓	✓
Upload and import:		✓	✓	✓
On demand VOD streaming (Unicast):		✓	✓	✓
Broadcasts, linear house channels, NVOD:		✓	✓	✓
Scheduling:		✓	✓	✓
External archiving and re-import:		✓	✓	✓
Trim & Export: ICUE Player plug-in:		✓	✓	✓
Support of external storage (SAN, NAS):		✓	✓	✓
Storage on several drives, paths:		✓	✓	✓
Multi-Server: Loadbalancing and clustering				✓

TECHNICAL SPECIFICATION	
Input file formats:	MPEG-TS transport stream files, multiplex format: ISO/IEC 13818-1 transport MPEG-2, H.264, H.265*, MPEG-1 Layer2, AAC
Streaming protocols:	TS over UDP, TS over RTP, TS over HTTP, HLS, ISO/IEC 14496-10 NAL (Network Abstraction Layer), Multicast and unicast IGMP V.2, SAP
Protocols:	HTTP, TCP/IP control protocol, SNMP traps/alerts, DHCP
Management:	HTTP web browser, ICUE-PLAYER client (Win OS application) SOAP web service, SNMP traps, Teracue API (AMX, Crestron & 3rd Party Support). XML, UDP, RTSP und TCP
Management:	Web browser, configuration manager, ICUE-PLAYER
Interfaces and integration:	LDAP/ADS, simple ASCII remote control protocol as interface for remote control (i.e. automation systems as AMX/Crestron), Web API for customizing GUI, secure https website administration. Control and limit of simultaneous users.

SYSTEM REQUIREMENTS	
Operating System:	Microsoft Windows Server 2008/2012, WIN 7/8/10 Following windows components are needed: - Internet Information Services v6.0 or higher with version 6.0 compatibility - NET Framework v3.5 or higher - NET Framework v4.5
Hardware:	Intel Core i3 and higher 4 GByte RAM Free disc space: Depends on individual requirements.

Note: Some features to be introduced with upcoming upgrades