ICUE-PLAYOUT
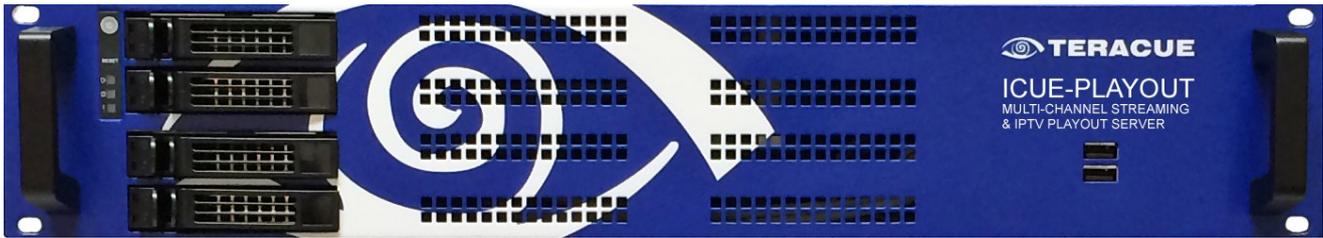

MULTI-CHANNEL STREAMING & IPTV PLAYOUT SERVER

PRODUCT DESCRIPTION

ICUE-PLAYOUT is a high-performance streaming media playout server, supporting multi-channel SD, HD, and even 4K streaming. Output streams can be fully synchronized. Any type of uploaded MPEG-TS files can be streamed out to a variety of IP video and IPTV applications.

ICUE-PLAYOUT server is designed for secure and stable 24/7/365 operation. The units can be clustered to reach higher numbers of streaming outputs, or can be combined to create redundant playout systems.

ICUE-PLAYOUT supports manual, ad-hoc playout as well as pre-scheduled, or infiteloop playout. Single AV files or complete playlists can be setup for streaming delivery. ICUE-PLAYOUT is managed by the ICUE-PLAYER (Win OS) PC application, and it supports up to max 10 simultaneous ICUE-PLAYER users.
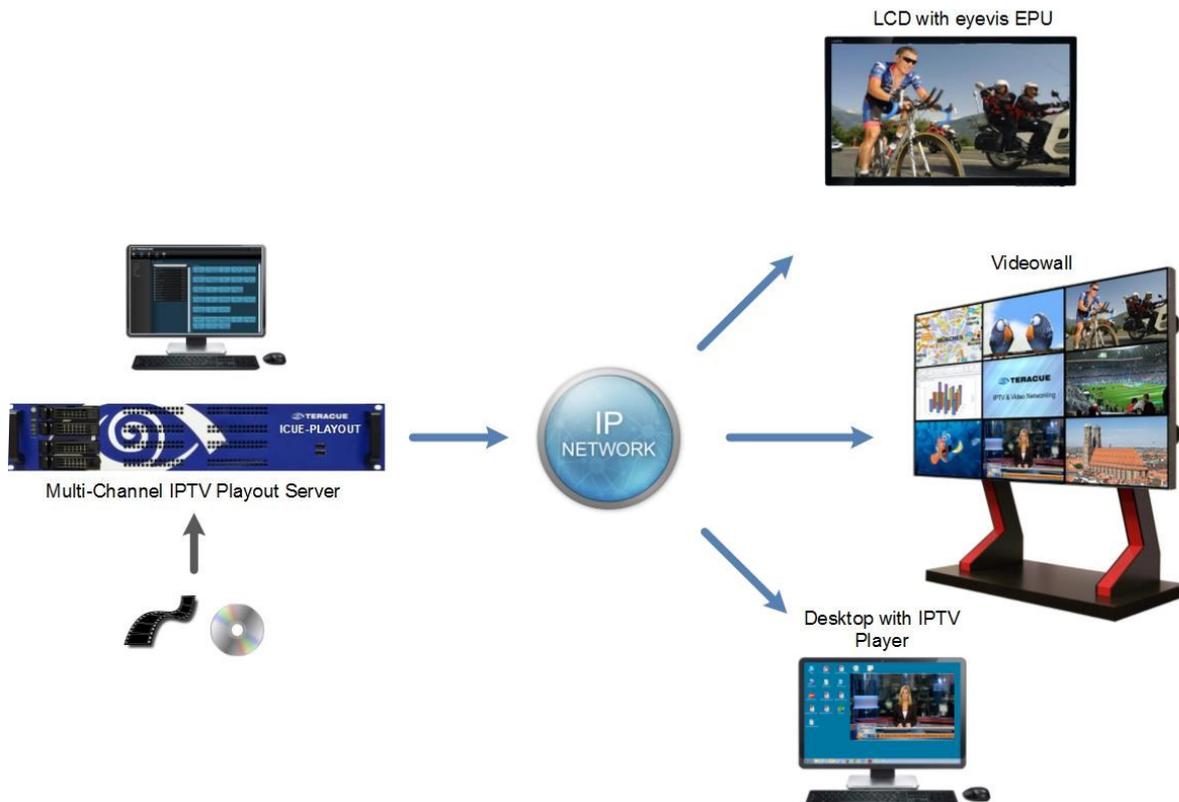
ICUE-PLAYOUT includes a comprehensive content management for the uploaded AV files. Files are uploaded via the ICUE-PLAYER user interface or more efficiently via an auto-upload folder, where JPEG files for thumbnails and XML metadata files for auto-indexing are also supported.

KEY FEATURES

- High-performance IPTV media playout server
- Supports multi-channel SD, HD, and 4 K streaming
- Fully synchronized 4x 4K or 16 HD output streams
- Clustered and redundant system architecture
- Multi-program scheduling or infite-loop playout
- XML based API for playlist import
- SNMP support for status monitoring

APPLICATION

- File-to-Stream generation & playout for IPTV/OTT operators
- Info-channels and ad-channels for digital signage
- Inhouse video on-demand & hosting of files/recordings
- LAN or WAN based video archive
- Streaming playout for all eyevis eyeCON MetaWall products
- Streaming to all eyevis EPU-LCD, video walls etc
- Control Room, Broadcast/IPTV/OTT, Digital Signage,
- Presentation & Information systems

ICUE-PLAYOUT

TECHNICAL SPECIFICATION:	
Performance:	Playout of up to 32× SD or 16× HD or 4× 4K streams, total streaming output 240Mbit/s max.
Storage:	1× SSD, 1TB video storage (150h for HD [@15mbit/s], 300h for SD)
Input Files Format:	MPEG-TS Transport Stream files, Multiplex format: ISO/IEC 13818-1 transport MPEG-2, H.264, 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, 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 and TCP
Operating system:	Windows7 64bit
Network:	2× 10/100/1000TX Ethernet, RJ45, half/full duplex, auto-sensing or manual control

ENVIRONMENTAL	
Chassis:	19", 2 RU
Dimensions:	86 x 482 x 460 mm (HxWxD)
Weight:	10 kg
Temperature:	+5 to +60°C environmental temperature
Power supply:	2x 260 Watt PSU,typical 120 Watt, 100-240V, 47-63 Hz (hot swappable)
Limited warranty	1 year standard limited warranty. Warranty extensions available up to 5 years.

ORDER INFORMATION	
ICUE-PLAYOUT-16HD-2RU	Multi-channel streaming & IPTV 2 RU playout server for up to 4 x 4k or 16 HD synchronised output streams and 150 h storage for HD video streams. 1 x ICUE-PLAYER-01 is re-installed on the unit. Requires ICUE-PLAYOUT-SWMAIN for first 12 month of installation.
ICUE-PLAYOUT-SWMAIN	Annual software maintenance for ICUE-PLAYOUT-16HD-2RU. Free upgrades within same version number. Free telephone and email support within the standard working hours.
ICUE-PLAYOUT-16HD-WE	One year warranty extension for a maximum of 5 years.
ICUE-PLAYER-01/10/50/100	ICUE Player license available packages: 01, 10, 50, 100 licenses. Requires ICUE-PLAYER-SWMAIN for first 12 month of installation.
ICUE-PLAYER-SWMAIN	Annual software maintenance for ICUE-PLAYER. Free upgrades within same version number. Free telephone and email support within the standard working hours.
ICUE-PLAYER-TX-01/10	ICUE-PLAYER—Trim & Export available packages 01, 10 licenses.
ICUE-PLAYER-TX-SWMAIN	Annual software maintenance for ICUE-PLAYER-TX. Free upgrades within same version number. Free telephone and email support within the standard working hours.
XPLAYER-01/10/50/100	XPlayer license available packages: 01, 10, 50, 100 licenses. Requires XPLAYER-SWMAIN for first 12 month of installation.
XPLAYER-SWMAIN	Annual software maintenance for XPLAYER. Free upgrades within same version number. Free telephone and email support within the standard working hours.

COMPLEMENTARY PRODUCT	
ENC-300-Series	H.264 HD/SD encoder blade with DVI/HDMI input or SDI, PAL/NTSC, Composite, S-Video, Component or analog VGA input
ENC-400-Series	H.264 and MJPEG HD/SD encoder board with HDMI input, loop through outputs and USB recording.
DMM-Series DXP-380D-Series	DVB to IP Gateways for IPTV