

IPTV Product Overview



Encoder/Decoder Blades



DVB Videogateway Blades



Blade Chassis



Server Hardware



MultiCoder Appliances



DCH Series Digital Headend

iCue™ Server Software



iCue™ Player



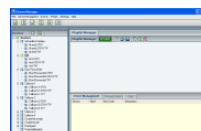
StreamView™



MultiCoder™



ElementManager™



Encoder Blades

The ENC series is designed for live streaming applications where single TV channels, camera signals or monitoring feeds are to be distributed over a network. The ENC series provides real-time hardware compression of video and audio inputs and streaming transmission. The blades have a robust design without any moving parts, being disk-, fan- and noiseless. Models differ in input options and video processing format (MPEG-2 or MPEG-4 AVC H.264).



ENC-100-COMP

MPEG-2 SD Encoder/Transmitter Blade with Composite input.



ENC-100-YC

MPEG-2 SD Encoder/Transmitter Blade with S-Video input.



ENC-100-SDI

MPEG-2 SD Encoder/Transmitter Blade with SDI input.



ENC-200

H.264 SD Encoder/Transmitter Blade with SDI (embedded audio supported), PAL/NTSC, Composite, S-Video, Component, AES and analog audio input incl. breakout cable "S".

Decoder Blades

The DEC series of real-time hardware decoders represents the direct counterpart to the ENC encoder series. These decoder blades are designed as professional and robust 24/7 live stream receivers and video/audio processing units; for getting the video back out of the network. Multi-format blades for MPEG-2 and MPEG-4 AVC H.264 decoding, offer simultaneous and flexible multi-signal video stream output.



DEC-200

H.264 SD and MPEG-2 SD Decoder Blade with SDI (embedded audio supported), PAL/NTSC, Composite, S-Video, RGBS, Component, Genlock, AES and analog audio output incl. breakout cable "S".

DVB Videogateway Blades

The DVB series is designed for live streaming applications where multiple TV channels are to be made available over network for PC viewing and/or TV viewing and/or archiving. The DVB series is able to receive DVB/TV bouquets, no additional receiver is required. Selected TV channels are streamed into the network in the original DVB-quality, without transcoding or loss of quality. One standard blade is capable to stream up to 8 channels and one deluxe blade is capable to stream up to 14 channels (SIDSA: POLARplus, Ether TV). Please see the DVB-FAQ for more details.



DVB-100-C; DVB-100-DX-C

DVB/IP Videogateway Blade for native streaming of DVB-C inputs.



DVB-100-S; DVB-100-DX-S DVB-100-S2; DVB-100-DX-S2
DVB/IP Videogateway Blade for native streaming of DVB-S/DVB-S2 inputs.



DVB-100-T; DVB-100-DX-T
DVB/IP Videogateway Blade for native streaming of DVB-T inputs.



DVB-100-C-CI DVB-100-S-CI DVB-100-S2-CI DVB-100-T-CI
DVB-100-DX-C-CI DVB-100-DX-S-CI DVB-100-DX-S2-CI DVB-100-DX-T-CI
Videogateway Blades with CI Module for Decryption, requires FR-2000-24 chassis.



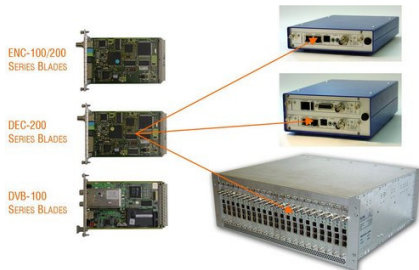
DVB-100-ASI; DVB-100-DX-ASI
DVB-ASI/IP Videogateway Blade for native streaming of DVB-ASI inputs.



Software for configuration of DVB-100 Blades, available for Windows and Linux.
DVB-CONFIG-SW: Controls unlimited DVB-100 blades.

Blade Chassis

All blades of the ENC, DEC and DVB series are fanless units based on the standard Europe Card form factor. They are operated within the FR chassis and frame series. Hot plugging and swapping of blades is possible. Inside the dual and multi-channel chassis, blades can be mixed-and-matched to exactly suit simultaneous requirements: for simultaneous real-time encoding, native DVB streaming and real-time decoding.



FR-110: Single channel chassis.

FR-210: Dual channel chassis.

FR-2000-24: Redundant high density 19" rack mount chassis (max. 21 single blades).

Server Hardware

Server hardware for iCue™ Streaming Server software. The following server hardware has been tested and is certified by Teracue.



DELL 1 RU Server, 2 different models available

For hardware details and software recommendations see the Server Hardware Overview PDF.



DELL 2 RU Server, 3 different models available, with internal and external storage

For hardware details and software recommendation see the Server Hardware Overview PDF.



DELL 2 RU plus 3 RU NAS System, 2 different models available

For hardware details and software recommendation see the Server Hardware Overview PDF.

iCue™ Streaming Server

Any video - at any time - on any workplace: The end-to-end iCue™ streaming system consists of the iCue™ Server, iCue™ Player and iCue™ TV. The iCue™ Server provides all streaming and recording services, such as live access, playlist scheduling for linear info channels and video on-demand. MPEG-2 SD/HD and MPEG-4 AVC H.264 SD/HD transport streams are supported. The iCue™ Server provides a comprehensive solution for video publishing and video management - in LAN and intranet networks. A Web-API for the user front-end is available. iCue™ Server provides a protocol for remote control of the streaming services.



ICUE-LIVE

Entry-Level: LIVE Streaming Server, User- and Rights-Management included. Software Only.



ICUE-100

Entry-Level: LIVE and VOD Streaming Server, User-, Rights-Management and Playlist Scheduling included - Software Only.
Maximum throughput: 90 Mbit/s.



ICUE-1000

Mid-Level: LIVE and VOD Streaming Server, User-, Rights-Management and Playlist Scheduling included - Software Only.
Maximum throughput: 200 Mbit/s.



ICUE-2000

High-Level: LIVE and VOD Streaming Server, User-, Rights-Management and Playlist Scheduling included, Loadbalancing and Clustering supported - Software Only.
Maximum throughput: 300 Mbit/s.



ICUE-ARCHIVE-OPTION

This option can be installed on iCue 1000/2000 server. Enables Auto-Export, Retrieval and Partial Restore to and from a network drive.



ICUE-COMPACT (Appliance)

Stream recording, viewing and trimming station. Allows simultaneous recording of max. 5 live streams. Supports MPEG-2 SD/HD and H.264 SD/HD transport streams as inputs. Allows storage of up to 500 hours of video recordings. Export do MPEG-2 and H.264 TS, PS and WinMedia WMV/ASF

iCue™ Player

The iCue™ Player is an advanced all-in-one PC stream player application for the iCue™ system. The application provides quick video search and instant playback, for all streams and videos that are managed by the iCue™ Server. The new iCue™ Player includes content management features directly inside the player. Users can sort content, edit meta-data and video attributes. Basic iCue™ Server functions as recording, archiving and broadcasting can be controlled from the iCue™ Player. Videos can be uploaded and exported. With the iCue Player Trim&Export you are able to edit/trim recorded sequences and also transcode to MPEG-4 AVC H.264, MPEG-2 and WMV/ASF format during export.



ICUE-PLAYER-01

iCue Player PC User License.
All-in-one PC stream player for the iCue™ system.



ICUE-PLAYER-TX-01

iCue Player - Trim&Export.
Module for GOP accurate trimming and export/transcoding in iCue™ Player.

iCue™ TV

iCue™ TV is a set of user interfaces (HTML pages) providing the most simple and easiest use of the iCue™ Server. iCue™ TV is available for Amino set top boxes as well as for PC's. The iCue™ TV interface is included in the iCue™ Server software. Set top boxes and PC player licenses are required for using iCue™ TV, e.g. Teracue's XPlayer™ or VLC VideoLan player.



iCue TV End-User Interface
Simple playback and recording functionality.

StreamView™

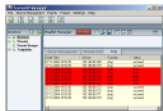
The StreamView™ is an advanced audio/video receiver and decoding appliance for displaying several video streams on one single display. StreamView™ can receive up to 16 MPEG-2 SD/HD and H.264 SD/HD LIVE streams and provides viewing of these LIVE streams directly on PC's, standard TV's, LCD's, plasmas, monitors and on projectors. StreamView™ layout and play stream sequence can be remote controlled by ElementManager™.



STREAMVIEW-1,- 9, or -16
For decoding and display of 1, 9 or 16 input streams.

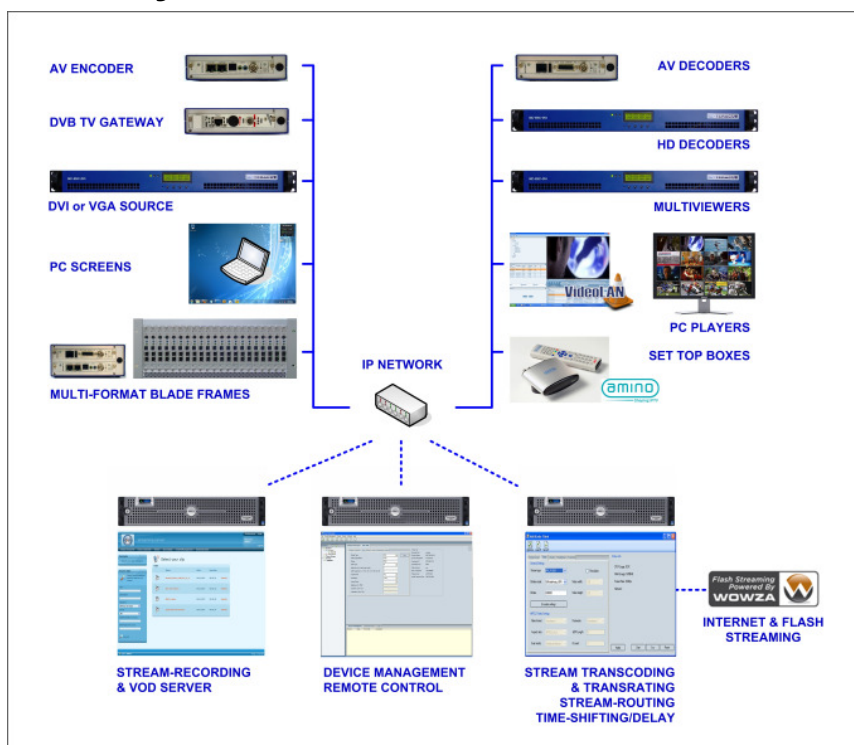
ElementManager™

The ElementManager™ is Teracue's remote control application for: encoders, set top boxes, servers, and even plasma displays. ElementManager™ enables the effective administration of individual LAN and intranet devices. It is one application that allows easy and central control, monitoring and management of most Teracue products.



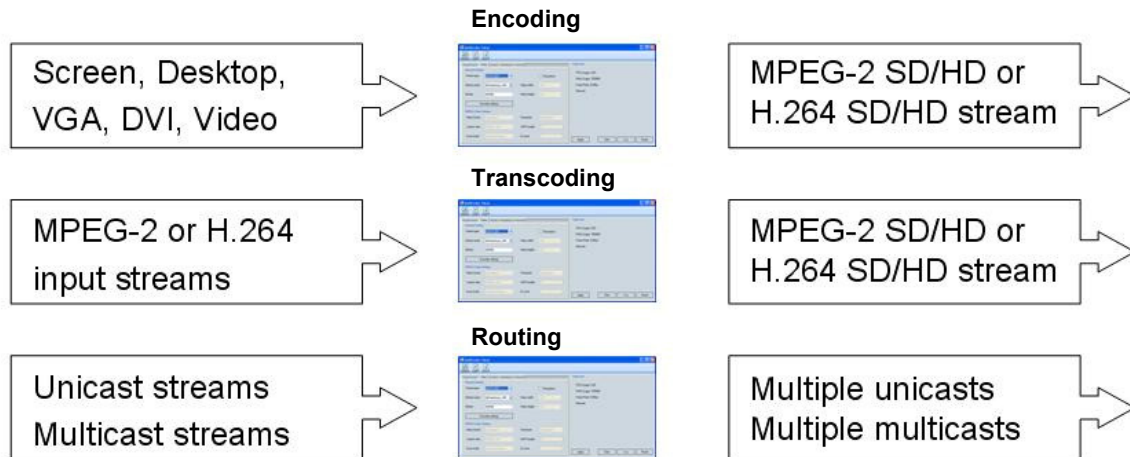
EM: ElementManager provides remote control, grouping, presets and basic alarm and scheduling.

Teracue IPTV Systems: Product Overview



MultiCoder™

Multi-format encoding, transcoding and transrating for IPTV streams. The MultiCoder™ series includes a number of applications for the creation and conversion of IPTV streams. MultiCoder™ represents a highly advanced engine for the generation and processing of live streams. The output formats MPEG-2 SD/HD and MPEG-4 AVC H.264 SD/HD are supported.



MC-SCREEN

Capturing, encoding and streaming of local desktop views and screen areas. Software-only.

MultiCoder™ Appliances (also available as silent Appliance)



MC-ENC-DVI-1RU

1RU Appliance for H.264 SD/HD and MPEG-2 SD/HD encoding and streaming of DVI/VGA video signals and analog audio.



MC-ENC-DVI2-1RU

1RU Appliance for H.264 SD and MPEG-2 SD/HD encoding and streaming of DVI/VGA video signals and analog audio with 2 DVI inputs.



MC-ENC-SDI-1RU

1RU Appliance for H.264 SD and MPEG-2 SD/HD encoding and streaming of SDI and HD-SDI, RGB, YUV, S-Video Y/C, Composite video signals and embedded audio, AES audio and analog audio signals.



MC-ENC-HD-1RU

1RU Appliance for H.264 SD/HD and MPEG-2 SD/HD encoding and streaming of SDI and HD-SDI, RGB, YUV, S-Video Y/C, Composite video signals and embedded audio. AES audio and analog audio signals.



MC-ROUTE-1RU

1RU Appliance for live stream routing and bridging. Conversion and routing of Unicast and Multicast streams. Multiple Unicast and Multicast outputs supported.



MC-TRANS-1RU

1RU Appliance for multiformat transcoding and transrating of live H.264 SD/HD and MPEG-2 SD/HD streams (format, bitrate, CBR/VBR, resolution GOP structure). Multicast/Unicast outputs supported.

DCH Series Digital Headend



DIGITAL HDTV PROCESSOR: DCH-500P-S2, DCH-500P-C, DCH-500P-T
1RU rackmount HDTV processor for H.264 and MPEG-2 decoding and re-multiplexing. DVB-S2, DVB-C or DVB-T and ASI input and HD-SDI, ASI and analog outputs.



DIGITAL HDTV PROCESSOR: DCH-500P-S2-IP, DCH-500P-C-IP, DCH-500P-T-IP
Same as above with optional TS over IP input/output.



H.264 SD/HD ENCODER: DCH-500EC
1RU rackmount HDTV H.264 encoder/transcoder, multiplexer and streamer. IP and ASI input/output, HD-SDI, HDMI and analog inputs.



DIGITAL TV PROCESSOR: DCH-400P-S2, DCH-400P-C, DCH-400P-T
1RU rackmount DVB processor for MPEG-2 decoding and re-multiplexing. DVB-S2, DVB-C or DVB-T and ASI input and SDI, ASI and analog outputs.



DIGITAL TV PROCESSOR: DCH-400P-S2-IP, DCH-400P-C-IP, DCH-400P-T-IP
Same as above with optional TS over IP input/output.



DVB-TV-GATEWAY: DMM-140-S2, DMM-140-C, DMM-140-T
DVB Blade for streaming, re-multiplexing and MPEG-2 decoding. DVB-S2, DVB-C or DVB-T and ASI input and ASI and analog outputs. TS over IP input/output.

DMM-100-FR
Redundant 19" 4RU rackmount chassis for 8 DMM blades.

Set Top Boxes

Amino set top boxes provide low-cost effective outputs for video/audio streams on TV's, LCD's, plasma displays, monitors and even for projectors. Supported are real-time live streams and linear info channels (near video on-demand) from iCue™ Servers. Quick live stream zapping is provided. Additionally video on-demand from the iCue™ Servers can be accessed in combination with the iCue™ TV user interface.



Amino Aminet-110
Compact STB for MPEG-2 SD with RF, Composite, S-Video or Component video and Dolby 5.1 audio output.

Amino Aminet-125
Multi-format STB for MPEG-2 SD and H.264 SD with RF, Composite, S-Video or Component video and Dolby 5.1 audio output.



Amino Aminet-130
Multi-format and multi-resolution STB for MPEG-2 SD/HD and H.264 SD/HD with RF, HDMI, Composite, S-Video or Component video and Dolby 5.1 audio output.



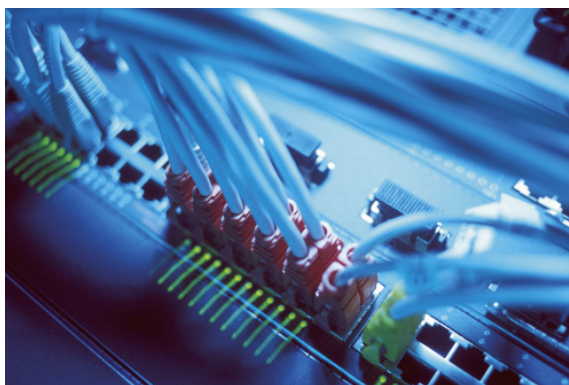
Amino Hospitality Versions for Aminet-110 and Aminet-130

IPTV makes it possible to provide any video at any time at any place. Over digital networks – as virtual routers – television programmes, camera and monitoring signals can be delivered in practically unlimited numbers. For our customers, IPTV means: video at any workplace, either on a PC, TV, plasma screen or projector.

The IPTV product components we provide allow high quality video streaming in LAN and intranet networks. Live streaming and video-on-demand – for digital corporate television and video monitoring, for example – can be achieved with our encoders, decoders and streaming servers.

Our IPTV product range additionally includes the necessary software applications for administration and the entire management of all components in complete end-to-end systems. We deliver system building blocks and components: the individual product components can be combined and freely scaled. Our sales and distribution channels are organised through a qualified and certified dealer network.

Our most important IPTV customers include: broadcasters, banks, universities, clinics, fire and police centres, aerospace companies, military and other federal government facilities.



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