Encoder / Decoder

DVB IPTV Gateway

FR Chassis

MultiCoder Appliances

DCH Series DVB Headend

iCue Server

iCue Player

StreamView

MultiCoder

ElementManager
IPTV Product Overview

Encoding / Decoding / Transcoding
DVB/IPTV Gateway / IRD / DVB-Mux
Stream Recording / Playout / Management

HD / SD ENCODER
IPTV DVB-to-IP TV GATEWAY
DVI / VGA ENCODER
SCREEN ENCODER
MULTIPLE FRAMES & ENCLOSURES
IP NETWORK
DVB-MUX / IP / ASI
MULTIVIEWERS
PC PLAYERS
IPTV STBs

STREAM RECORDING ARCHIVING & PLAYOUT
DEVICE MANAGEMENT REMOTE CONTROL & MONITORING
TRANSCODING & TRANSRATING
STREAM-ROUTING TIME-SHIFT / DELAY ENCRYPTION

INTERNET & FLASH STREAMING
ENC-Series

Designed for live streaming applications where single TV channels, camera signals or monitoring feeds are to be distributed over a network. The boards have a robust design without any moving parts, being disk-, fan- and noiseless.

**ENC-200-AUDIO Board**
AAC and MPEG-1/2 audio encoder board with SDI embedded audio, AES and analog audio input.

**ENC-200-AUDIO-PORTABLE**
AAC and MPEG-1/2 portable audio encoder with SDI embedded audio, AES and analog audio input.

**ENC-200 Board**
H.264 SD encoder/transmitter board with SDI and embedded audio, PAL/NTSC, Composite, S-Video, Component, AES and analog audio input.

**ENC-200-PORTABLE**
H.264 SD portable encoder/transmitter with SDI and embedded audio, PAL/NTSC, Composite, S-Video, Component, AES and analog audio input.

**ENC-300-SD Board**
H.264 SD encoder board with HD/SD (HD to SD down conversion), PAL/NTSC, Composite, S-Video, Component or analog VGA (RGB) input.

**ENC-300-SD-PORTABLE**
H.264 SD portable encoder with HD/SD (HD to SD down conversion), PAL/NTSC, Composite, S-Video, Component or analog VGA (RGB) input.

**ENC-300-HDSDI Board**
H.264 HD/SD encoder board with HD/SD-SDI, SDI with embedded and analog audio, PAL/NTSC, Composite, S-Video, Component or analog VGA (RGB) input.

**ENC-300-HDSDI-PORTABLE**
H.264 HD/SD portable encoder with HD/SD-SDI, SDI with embedded and analog audio, PAL/NTSC, Composite, S-Video, Component or analog VGA (RGB) input and power supply.

**ENC-300-DVI Board**
H.264 HD/SD encoder board with DVI/HDMI input and embedded and analog audio.

**ENC-300-DVI-PORTABLE**
H.264 HD/SD portable encoder with DVI/HDMI input, embedded and analog audio.

DEC-Series

The real-time hardware decoders represent the direct counterpart to the ENC encoder series. They are designed as professional and robust 24/7 live stream receivers and video/audio processing units. Multi-format boards 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 board with SDI and embedded audio, PAL/NTSC, Composite, S-Video, RGBS, Component, Genlock, AES and analog audio output.

**DEC-200-PORTABLE**
H.264 SD and MPEG-2 SD portable decoder with SDI and embedded audio, PAL/NTSC, Composite, S-Video, RGBS, Component, Genlock, AES and analog audio output.

**DEC-300-HDSDI**
H.264 HD and MPEG-2 SD decoder board with HD/SD-SDI, embedded audio, analog video/audio output.

**DEC-300-HDSDI PORTABLE**
H.264 HD and MPEG-2 SD portable decoder with HD/SD-SDI, embedded audio, analog video/audio output.
Encoding / Decoding / Transcoding

FR-Series
All boards of the ENC, DEC and DVB series are fanless units. They are operated within the FR frame series. Hot plugging and swapping of boards is possible. Boards can be mixed-and-matched to exactly suit simultaneous requirements: for encoding, decoding and DVB-to-IP streaming.

DCH-EC-Series
1RU MPEG-2 and H.264 Encoder series available with re-multiplexer or transcoder. The DCH-EC-Series can handle diverse input signals like SDI, Composite or YC.

MultiCoder
MC MultiCoder offers multi-format encoding, transcoding and routing of IPTV streams. MultiCoder is available as 1RU appliance or as software:
**XPlayer**

Standalone stream player application for viewing live streams on PC's. It is designed for viewing and selecting from any available live streams on your network, without any rights- and permission management. In this case no streaming server is necessary.

**iCue Player**

The iCue Player provides quick video search and instant playback, for all streams and videos that are managed by the iCue Server: recording, archiving and broadcasting are controlled by iCue Player. Videos can be uploaded and exported. iCue Player TX (trim&export) additionally supports H.264/MPEG-2 transcoding during export.

**Amino**

Amino set top boxes provide cost-effective decoding for video/audio streams on TV's, LCD's, plasma displays, monitors and even for projectors.

**StreamView**

Advanced H.264 and MPEG-2 SD/HD software decoder. Can be extended to display max. 16 input streams for mosaic, multiviewer applications. Local or remote controlled.

**MultiCoder Software:**

**MC-TRANS**
Software transcoding and transrating for live IPTV H.264, MPEG-2, SD/HD streams. Multicast/unicast and HTTP Live Streaming (HLS) is supported. Also offers Supports logo and text insertion. Up to 10 transcodings per server supported.

**MC-SCREEN**
HD capturing, encoding and streaming of local desktop views and screen areas. For powerpoint, website and screen view streaming.

**MC-ROUTE**
For converting, routing and bridging different streaming types into multicast– and unicast networks. Offers AES en-/decryption and stream delay/time-shift and RTSP server.

**Amino Aminet-140**
Multi-format and multi-resolution STB for MPEG-2 SD/HD and H.264 SD/HD with RF, HDMI 1.3a, USB, Composite, S-Video or Component video and analog audio output.

**Amino Hospitality Version of Aminet-140**

**StreamView**
For decoding and display of max. 16 input streams. Software only.
iCue-Series
Any video - at any time - on any workplace: The end-to-end iCue streaming and recording system consists of iCue Server and iCue Player. iCue Server provides all streaming, recording and broadcasting services as well as content management and rights management. H.264 and MPEG-2 HD/SD transport streams are supported. iCue Server provides a comprehensive solution for video publishing and archiving.

**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 to MPEG-2 and H.264 TS, PS and WinMedia WMV/ASF

**ICUE-LIVE**
Enter-level: LIVE streaming server, user- and rights-management included.

**ICUE-100**
Enter-level: LIVE and VOD streaming server, user-, rights-management and playlist scheduling included. Maximum throughput: 90 Mbit/s.

**ICUE-1000**

**ICUE-2000**
High-level: LIVE and VOD streaming server, user-, rights-management and playlist scheduling included, loadbalancing and clustering supported. Maximum throughput: not limited.

**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.

ElementManager
The ElementManager is Teracue's remote control application for: encoders, set top boxes, servers, and even 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.
DMM-Series
The DMM DVB-to-IP gateway series is designed for streaming applications where terrestrial, satellite or cable TV and radio channels are to be made available as IPTV streams on the network. Each DMM board is able to process a complete DVB MPTS for streaming and one channel for monitoring. Two CI slots can be used for multi channel decryption (CAM+SmartCard required). Selected TV channels are streamed on the network in the original DVB-quality without loss of quality.

DMM-140-S2 / -C / -T
DVB board for streaming, re-multiplexing and MPEG-2 decoding. DVB-S2, DVB-C or DVB-T and ASI input and ASI, SDI and analog outputs. 100 MB TS over IP 1 x in or 32 channel out.

DMM-150-S2 / -C / -T / -T2
DVB board for streaming, re-multiplexing and H264/MPEG-2 decoding. DVB-S2, DVB-C, DVB-T or DVB-T2 and ASI input and ASI, SDI and analog outputs. 100 MB TS over IP 1 x in or 32 channel out.

DMM-100-FR
19” 4RU rack mount chassis for 8 DMM boards with redundant power supplies.

DMM-100-FR-1RU
19” 1RU rack mount chassis for 2 DMM boards.

DVB-100-Series
The DVB-100 EtherTV DVB-to-IP gateway series is designed for compact streaming applications where terrestrial, satellite or cable TV and radio channels are to be made available as IPTV streams on the network. The DVB-100 boards can be operated next to ENC encoder and DEC decoder units inside the FR frame-series. Each DVB-100 board is able to process a complete DVB MPTS for streaming. Two optional CI slots can be used for multi channel decryption (CAM+SmartCard required). Selected TV channels are streamed on the network in the original DVB-quality without loss of quality.

DVB-100-DX-C / -S / -S2 / -T
DVB/IP gateway board for native streaming of DVB-C, DVB-S, DVB-S2 or DVB-T inputs.

DVB-100-DX-C-CI / -S-CI / -S2-CI / -T-CI
DVB/IP gateway board for native streaming of DVB-C, DVB-S, DVB-S2 or DVB-T inputs with CI module for decryption.

DCH-Series DVB Headend
Advanced IPTV and HDTV digital headend systems: The DCH-series includes a variety of HD/SD input and output options, all-in-one product series: IRD receiver decoder, DVB/IP/ASI decoder-remultiplexer and professional DVB IPTV gateway.

DCH-510P-S2-IP / -C-IP / -T-IP / -T2-IP
1RU rack mount HDTV processor for H.264 and MPEG-2 decoding and re-multiplexing and streaming. DVB-S2, DVB-C, DVB-T or DVB-T2 and ASI input and HD/SD-SDI, ASI, HDMI and analog outputs. 1 Gb/s TS over IP with FEC.

DCH-400P-S2-IP / -C-IP / -T-IP
1RU rack mount DVB processor for MPEG-2 decoding and re-multiplexing and streaming. DVB-S2, DVB-C or DVB-T and ASI input and SDI, ASI and analog outputs. 100 MB TS over IP.

DCH-410PM-CC / -TC / -S2C / -S2T / -CT / -TT
1RU rack mount DVB-C QAM or DVB-T COFDM modulator and remultiplexer with DVB-C, DVB-T, DVB-S2 input, ASI in— and output, TS over IP input or output.
References / Customers

**Finance: digital company TV**
CSOB Bank - Prague
Dresdner Bank, Kleinwort Wasserstein - Frankfurt
E.ON AG - Düsseldorf
E-Plus Service GmbH & Co. KG - Potsdam
NXBP Bank - Paris
Raiffeisenbank - Kleinwalsertal
Süddeutsche Zeitung - Munich

**Video monitoring: control stations**
Aerodata AG - Germany
DLR German Aerospace Centre - Oberpfaffenhofen
EADS Astrium - Bremen
GCC - Galileo Control Centre - Oberpfaffenhofen
Telespazio / Galileo Control Centre - Italy

**Control and operation centres**
SIMOS integrated control centre - Stuttgart
Saxony’s State Ministry of the Interior for Disaster Prevention - Dresden
Carl Zeiss Optronics GmbH - Oberkochen

**Medicine and campus TV, Tele-Medicine**
Asklepios Clinic - Germany
Karl Storz Systemtechnik GmbH - Tüttlingen
Kingston University - London
Ludwig-Maximilian-University - Munich
University Hospital of Aachen (RWTH)
University Hospital of Würzburg
Medical Faculty of the University of Erlangen - Nuremberg
Eberhard Karls University in Tübingen

**Documentation and training**
Al Jazeera Training Center - Qatar
Danone Research, Consumer Science - France
Fachkrankenhaus Coswig of the Technical University of Dresden
Medical Faculty of the University of Greifswald
Centre for Ophthalmology at the University of Cologne
UCC Faculty for Sign Language - Denmark

**Stadium and event TV**
Al Jazeera Sports Monitoring - Qatar
Amsterdam Arena (Ajax Amsterdam) - Netherlands
BWM Group - Germany
Esprit Arena - Düsseldorf
Liverpool Football Club - Great Britain
Mercedes-Benz Centre - Stuttgart
Olympic stadium - Berlin
SAP Arena - Mannheim

**Monitoring, editorial TV and compliance recording**
Al Jazeera - Qatar
N24 - Berlin
Ministry of Treasury - Rome
PLA-ZAMEDIA GmbH - Ismaning
ProSiebenSat1 Production - Munich
TV Markiza - Slovakia
Westdeutscher Rundfunk - Germany

**Video monitoring for control and command centres**
Police, Government, Armed Forces, Defence, Intelligence customers