STRYME

YOUR BROADCAST WOW

EVERYTHING INGEST

GENESIX
VIDEOSERVER V9

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At STRYME, we pioneer innovative high-tech broadcast and automation solutions for OB-Van, live, sports and news productions. As the Austrian market leader, we excel with uncompromising quality and reliable out-of-the-box solutions that simplify, speed up and optimize daily workflows. We give small, medium-sized and specialized broadcasters the edge.

STRYME provides the right solutions for tomorrow's broadcasting needs.

We advance broadcast technologies as well as industry standards. Our customers can rest assured that the solutions they receive from us meet their exacting needs and budgets. We know, setting up a future-proof channel is complex. Its many interconnected elements cost money. Each individual component must work in sync to ensure smooth, simplified workflows. Each new solution must guarantee reliable and efficient channel operations.

SO SIMPLE, SO EFFICIENT
SO STRYME

We innovate to deliver superior technical performance. In doing so, we tackle each project with passion, perseverance and professionalism. We provide the tools and solutions our customers need to master any new challenge. We give them more flexibility, keep their standards high and step up efficiency and usability.

We guarantee high-availability for a 24/7 fail-safe operation. That's the promise we keep. Because for us, providing the right solutions for tomorrow's needs also means that these solutions are top-notch and unique – in terms of performance, stability and price. That's quality made by STRYME.

STRYME was founded by Goce Zdravkoski in 2005 to fill a market gap. It was initially called Pixel Software Development and started off as a turnkey video server developer for broadcasters. Its very first customer was the Austrian Broadcast Corporation (ORF). The close collaboration with a hub of expertise made STRYME a valued and trusted industry partner for bespoke professional broadcasting solutions. It also kicked off a wide range of different projects in Austria, Germany, Switzerland, Slovakia, Italy, Russia or South Korea.

WE LOVE WHAT WE DO

Clemens Czepe
Chief Technical Officer

"Choosing STRYME means you are one step ahead of your competition in terms of price and technology without having to worry about technical specifications or software that is prone to errors. Choosing STRYME means you can focus on what matters most!"

Goce Zdravkoski
Chief Executive Officer & Founder

"It's not about offering the latest industry features – we do that anyway – but about meeting and exceeding our customers' expectations. It's about making sure they experience how we from STRYME simplify and automate their daily working processes."

EVERY FORMAT.
EVERY CODEC.
EVERYTHING.

Quality MADE IN AUSTRIA.

GENESIX is an all-in-one ingest, graphic and playout solution for small and medium-sized broadcasters. Features such as multi-channel playout, playout automation, overlay graphics, traffic management, asset management and program scheduling ensure reliable operation and integration into existing infrastructures and workflows. Support of all industry standard codecs and formats ensures maximum compatibility and flexibility.

Ingest, Playout and Media Asset Management are part of the basic configuration.

STRYME forges ahead into the future of broadcasting with its 9th generation flagship product. Redesigned to ingeniously ingest every format and every codec – used today and still to come – the GENESIX VideoServer V9 sets new standards.

A single GENESIX VideoServer is all it takes to:

Encode, decode and upscale every format and every codec – as needed

- ✓ SDI SD/HD/4K/3G/12G
- ✓ IP ST 2022-6, 2022-7, 2110
- ✓ H.264, H.265, HEVC
- ✓ RTP, RTSP, RTMP, HLS, DASH
- ✓ LiveU, mobile streaming devices
- ✓ Facebook, Youtube, Twitter

- ✓ Up to 16 channels flexibly configured
- ✓ 4K UHD ready (XAVC, ProRes)
- ✓ Ultra-slim 2U
- ✓ VIZRT inside
- ✓ 5-year guarantee
- ✓ IT security package & antivirus

Edit, store, plan, schedule and playout easily and quickly

Access, retrieve and control media assets reliably and safely

Go on air and thrill viewers with the quality footage they expect

SDI SD/HD/4K/3G/12G
IP ST 2022-6, 2022-7, 2110
H.264, H.265, HEVC
RTP, RTSP, RTMP, HLS, DASH
LiveU, mobile streaming devices
Facebook, Youtube, Twitter

GENESIX StreamViewer

Viewing experiences change. Platforms evolve in a snap. Codecs and formats are short-lived. Keeping up to date, maintaining smooth workflows and producing quality footage takes a lot of effort.

Let the GENESIX StreamViewer Platform work for you.

Monetize your workflows – get more formats for less money

scenario 1: Facebook (Social Media) directly on air

scenario 2: mobile streaming directly to AVID Interplay

scenario 3: H.264 stream directly to post production

EVERYTHING INGEST

GENESIX VIDEOSERVER V9

MORE INSIDE
THAN EVER BEFORE

Compliance Recording

the GENESIX Loop Recorder records the entire output material one-to-one for 10 statutory weeks. User-friendly thanks to imbedded time code and intuitive surface.

Security Package

consists of 3 components: a hardened Windows system, daily update cycles and an in-house antivirus software.

NewsEdit

a studio production tool especially designed for editing graphics, videos and audio. The software creates news clips without rendering delays and reduces time to air.

Graphics

is your all-in-one editing software for perfect storytelling of graphics and animations. Brings your content to life!

Ingest

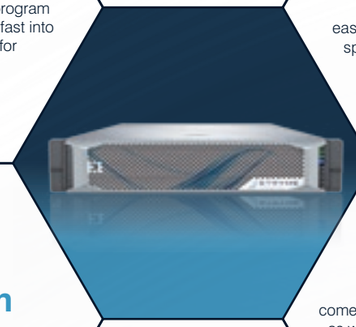
brings your sports and news program elements in real-time and ultra-fast into your studio. All you need for automated recording!

Playlist Scheduler

easily plans and arranges programs – specially developed for your news, sports and broadcast environments.

Master Control Playout

known to be the best master control solution that simplifies your play-out workflows straight from creation to air.



Playout Automation

is your flexible 24/7 playout solution that simplifies and handles all channel delivery tasks and challenges.

Sport Live

comes with speed and slow motion mode as well as jog and shuttle to accentuate specific live moments. Specially designed for various sports and live events.

Studio Playout

provides full capabilities for planning, managing and transferring video files – a real asset for live productions.

Transfer Management

automatically copies all video clips from the playlist to the playout server's local video storage.

Loudness Management

enhances your program and takes care of your output levels by comparing the input to a preset target level.

GENESIX 2GO

for immediate data transportation in real time up to 16 Ch (XDCAM HD422) right after recording.

Metadator

marking, editing and jumping to highlights has never been that easy. Its main purpose is to highlight key frames by easily marking specific occasions of an event in a user-friendly manner.

Storage/MAM

is an intelligent approach to keep your business organized and available. Administration has never been that easy!

SloMo

brings maximum efficiency to your content production and enhances the intuitive control of details.

AutoNaming

automatically names and categorizes clips and camera settings in logically structured directories and sub-directories.

16 CHANNELS

NOT A CHALLENGE BUT STANDARD

- 16 Channels in 2 rack units
- Perfect space-saving solution for OB-VANs
- Increased Multi-Cam Ingest performance
- Time-saving Transfer While Capture
- Edit While Capture for Multi-Cam Ingest

GENESIX STUDIO PLAYOUT

GENESIX Studio Playout is a professional and sturdy play-out application for live and studio environments. It manages multiple rundowns simultaneously by sharing centralized resources.

- ✓ 16 playout channels simultaneously
- ✓ Multiple channel control
- ✓ Graphic & video overlays
- ✓ Fill and key
- ✓ TDIR Multi-channel Commander

GENESIX INGEST

Nonstop Recording from booting the server until shutting it down. The recording capacity can be configured separately for each recording channel.

- ✓ Multi-channel SD/HD/4K Ingest
- ✓ 24/7 Loop recording
- ✓ Crash/batch recording
- ✓ Scheduled Ingest
- ✓ Edit While Capture
- ✓ TDIR Multi-channel Commander
- ✓ Motion detection

GENESIX

PLAYOUT AUTOMATION

GENESIX Playout Automation is a flexible 24/7 playout solution with powerful planning capabilities.

- ✓ Multi-channel SD/HD/4K Playout
- ✓ 24/7 playout reliablility
- ✓ High redundancy level
- ✓ VDCP/GPI/MOS support
- ✓ Easy & smooth integration into 3rd party systems

GENESIX

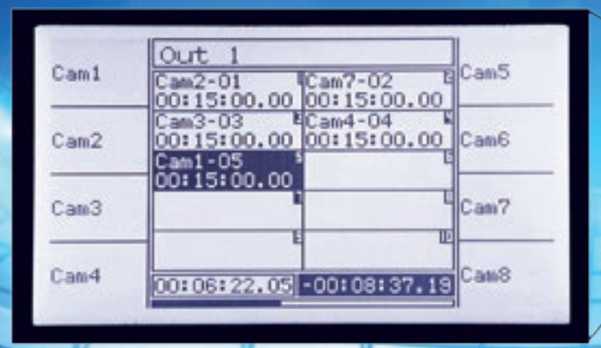
MEDIA ASSET MANAGEMENT

With GENESIX Media Asset Management video footage, audio and graphic material can easily be administered. Content management and editing, freely defined meta data and playlists can be managed, generated or edited via an integrated playlist editor.

With automatically generated thumbnail previews, different display options, filter and search functions as well as content can quickly be located.

- ✓ Intelligent storage management
- ✓ Quick search
- ✓ Integration with major NLE‘s
- ✓ Custom XML-Data
- ✓ Proxy editing/preview

GENESIX
SPORT LIVE



GENESIX Sport Live

GENESIX TDIR Commander

GENESIX Sport Live has been especially designed for various sports and live events. It prepares and finalizes the output material of several cameras for up to 8in/4out at high speed.

Features such as an accurate speed and slow motion mode, jog and shuttle to accentuate specific live moments as well as the ability to process material that is still in production make it an invaluable asset for on-air broadcasting.

- ✓ 8 in / 4 out from 1 video server
- ✓ Easy and simultaneous copy of all camera perspectives
- ✓ SloMo to generate highlights while while recording, multi-channel usage, playback

GENESIX
TDIR COMMANDER

The powerful TDIR Multichannel Commander gives users full control of studio operations, news and sports coverage, live and OB-Van productions. STRYME's unique TDIR function offers state-of-the-art broadcasting:

- ✓ Direct ingest and playout steering complete with SloMo Playback
- ✓ Generate highlights while recording and feed them in during or at the end of a live production
- ✓ Multi-channel usage
- ✓ Highly professional broadcast remote control for multiple videoservers

GENESIX
GRAPHICS

- ✓ Timeline alignment
- ✓ Multiple preview options
- ✓ Assistance from numerous functional tools
- ✓ Graphic templates ready for use
- ✓ Channel branding
- ✓ Intuitive usability to generate high-quality graphics with just a few clicks

The GENESIX Graphic package handles all the modules needed for generating high quality 2D/3D broadcasting graphics in real time. New graphic layout templates can quickly and easily be designed as needed because many different templates are already included.

The GENESIX Advanced Graphic Composer is an optional powerful service-orientated graphic engine with a vast array of easy-to-use functions.

GENESIX
PLAYLIST SCHEDULER

Program planning is easy with the GENESIX Playlist Scheduler's graphic user interface. To plan and arrange programs, all it takes is a simple drag and drop from the GENESIX Media Asset Management. The XML-format ensures maximum compatibility with other systems.

GENESIX

TRANSFER MANAGER

The GENESIX Transfer Manager automatically copies all video clips from the playlist to the playout server's local video storage. In combination with GENESIX Ingest, clips are automatically copied or moved to the central storage, using our specially developed copy engine for NLE facilitates editing.

The GENESIX Transfer Manager ensures high availability of all personal files.

- ✓ Guaranteed data transfer
- ✓ Multi-destination
- ✓ Easy export management
- ✓ Transfer While Capture

GENESIX

ABROLL

Multi-channel playlist rundown

ABRoll is a combination of a centralized multi-channel playlist and a studio playout, designed to connect and visualize channels. It ensures easy handling and efficient time management on an intuitive drag and drop interface.

GENESIX

NEWS EDIT

GENESIX NewsEdit – especially designed for instant editing – meets all the needs of a newsroom. It enables on the fly rendering, minimizes time to air, and anticipates the demands of a fast and permanent changing broadcast environment. Speed, ease and reliability of editing graphics, videos and audio make it a highly flexible studio production tool.

- ✓ For instant rendering in real-time
- ✓ Reduces time to air
- ✓ Sophisticated news & studio solution editing tool

GENESIX

LOOP RECORDER

Compliance Recording

The GENESIX Loop Recorder records the entire output material one-to-one for a statutory 10-week period and deletes it automatically afterwards. Features such as self renaming sources, optional imbedded time-code, downloadable and automatic language recognition make the GENESIX Loop Recorder a highly flexible compliance recording solution. For quick and easy operation, this brand-new function enables multiple client access.

- ✓ Compliance recording solutions for a 10-week statutory period
- ✓ Easy export function of archived clips
- ✓ Intuitive surface
- ✓ Embedded time-code within the video
- ✓ Compatible with all browsers and operating systems

GENESIX
SAW

Master Control Playout is deemed the best master control solution that simplifies your playout workflows – straight from creation to air.

SAW is an automation module that combines primary and secondary events safely. Its modular architecture is highly flexible in terms of system integration and adaptability, ensuring it fits into nearly every studio infrastructure.

GENESIX

METADATOR

Metadator – to highlight key frame settings

Marking, editing and jumping to highlights has never been that easy. Metadator comes with STRYME's highly flexible Multi-Cam Ingest solution. Its main purpose is to highlight key frames by easily marking specific occasions of an event in a user-friendly manner.

- ✓ Fast and functional
- ✓ 6 x 6 grid
- ✓ up to 5 users in real time
- ✓ XML or CLS-based
- ✓ Highlighting metadata bookmarks
- ✓ User-friendly surface
- ✓ Quick & clear highlight overviews

GENESIX

AUTONAMING

Offers cutters a clear and user-friendly structure

For quick and easy retrieval, the brand-new AutoNaming function automatically names and categorizes clips and camera settings in logically structured directories and sub-directories. In the wink of an eye, the cutter finds the clips needed for editing, re-sequencing, post-production highlight cuts, etc.

AutoNaming also makes it easy to set up and customize individual user profiles and reuse clips at a later stage or for other productions.

- ✓ Names and categorizes clips
- ✓ Perfect for easy and quick editing
- ✓ Easy to set up and customize individual user profiles

GENESIX 2GO

…immediate data transportation in real time up to 16 Ch (XDCAM HD422) right after recording

Data transfer has never been that convenient. Discover STRYME's powerful, solid and extremely portable storage combo solution for durable high capacity data transfer in real time – for up to 16 channels (i.a. XDCAM HD 422).

GENESIX 2GO fulfills the need for speed. Its high bandwidth enables rapid data transfers in real time for up to 16 channels (i.a. XDCAM HD 422). Weighing less than 3kg and with a capacity of up to 6 TB, GENESIX2GO provides high-tech storage and backup. This makes it a real asset for producers who want to be on the safe side. After recording, just unplug and go. Transferring data to your client has never been that easy!

- ✓ Up to 16 Ch (XDCAM HD 422)
- ✓ Simplifies your archiving challenge
- ✓ High performance & high speed
- ✓ Real time data transfer
- ✓ Protective hard case
- ✓ 6TB storage
- ✓ High bandwith
- ✓ Cost efficient & flexible

STABLE DATA TRANSFER

For reliable high-capacity data transfer in real time – for up to 16 channels (i.a. XDCAM HD 422). No time delays.

UNPLUG & GO

The professional storage with up to 6 TB capacity. After recording, just unplug and go.

GENESIX SECURITY PACKAGE

With integrated antivirus software.

STRYME's powerful GENESIX security package provides your with the best possible protection. It is interface-free and does not impact the performance of the server or the systems run on it.

The GENESIX Security Package is a standard feature of the GENESIX VideoServer and consists of 3 components:

- ✓ A hardened Windows system
- ✓ Daily update cycles
- ✓ In-house antivirus software

WHAT OUR CUSTOMERS & PARTNERS APPRECIATE

"We have been using GENESIX VideoServers for years and greatly value their reliability and security. Thanks to STRYME and their strategic foresight, we have to date successfully fended off even the slightest hint of an attack on these systems."

Andreas Bauer, Head of Maintenance & Support at ORF

"STRYME has been instrumental in making our in-house TV channel 3Live available to all Austrians using mobile devices."

Guenter Lischka, Senior Head of Marketing at Drei

"We decided to partner with STRYME because of their durable and reliable solutions – high-tech, yet reasonably priced. In this sense, the GENESIX VideoServer is a real asset for the Zambian government. Parliament TV now benefits from top quality made in Austria and a fail-safe, versatile and user-friendly solution."

Michael Jaehnel, Head of Project Sales, sonoVTS

"GENESIX has truly exceeded our expectations. The system's technological precision, its user-friendliness, and the simple, yet intuitive Multi-Cam Ingest functions make live HD productions child's play. It's the ideal choice for broadcast studios on the move!"

Milan Kicin, CEO at ELVIA-PRO Slovakia, s.r.o.

"The Playout Farm enhances our position as the only German-speaking business and investors' television, and it maximizes our flexibility. Previously, we had to concentrate on the technical broadcasting issues in addition to our core business, and we operated playout separate from graphics. Now, we can focus on what we do best and offer our viewers quality entertainment over and above financial and stock market news. Playout and graphics are now reliably combined in the GENESIX system. We can feed in professional graphic overlays in real-time and adapt them as needed. These improvements have sparked new ideas for future programs and more innovative content. STRYME and ORS have opened the doors for us to unprecedented 'future-proof' aspects."

Dr. Conrad Heberling, Managing Director at DAF

"STRYME was the only company that could offer us an all-in-one failsafe multi-channel solution, the right graphics workflow with real-time graphics feeds, and a streaming functionality at a reasonable price. That is why we chose STRYME to join us in this project."

Luca Catalano, CEO of the Italian broadcast and telecoms solutions specialist C.V.E.

"GENESIX has proven its flexibility and cost-effectiveness time and again. We therefore had no second thoughts about choosing STRYME as a reliable partner to launch and realize this innovative project."

Mr. Anton Zodl, ORS Head of DVB Operations

SPECIFICATIONS

CODECS

Sony XDCAM D10, XDCAM HD, XDCAM HD422, XAVC HD/UHD
Apple ProRes 422, ProRes 422 HQ, ProRes 422 LT, ProRes 422 Proxy, ProRes 422 HQ UHD
Avid DNxHD 120, DNxHD 145, DNxHD 185x, DNxHD 220x, DNxHR
AVCHD, AVC-Intra HD 50, AVC-Intra HD 100, P2
H.264 (optional HW for recording/streaming), AVC/AAC
DVCPro 25, DVCPro 50, DVCPro 100, DVCPro HD
MPEG2 IBP, MPEG2 Iframe
DV, DV25, DVCAM, HDV

CHANNELS

SDI: based on SDI Interface (SD / HD / 3G): 4 Ch, 6 Ch, 8 Ch, 12 Ch or 16 Ch
IP: based on SFP+ with 10 GbE (ST 2022-6, 2022-7, 2110): 4 Ch or 8 Ch
Stream: based on Streaming Package*: 2 I/O, 4 I/O or 8 I/O

4K UHD

4x UHD 2160p25 (quad split/square division)
2x UHD 2160p50 (quad split/square division)

VIDEO

480i (SD/NTSC) at 29.97 fps, 576i (SD/PAL) at 25 fps
1080i (HD) at 25, 29.97 fps, 720p (HD) at 50 fps, 1080p (HD) at 50 fps
3840x2160p (4K UHD) at 25, 50 fps with Quad Split

AUDIO

Optional 16in / 16out unbalanced AES/EBU audio channels
Up to 16 channels of embedded audio per SDI

STREAMING*

RTP, RTSP, RTMP, HLS, DASH
H.264, H.265, HEVC, AAC
LiveU, mobile streaming devices
Facebook, YouTube, Twitter

GENLOCK

Analog blackburst reference (tri-level or bi-level)

TIMECODE

LTC Timecode reader (RJ45 or XLR)
LTC/VITC embedded into SDI

CAPACITY

3TB storage for Video
Up to 120h@50mbps (e.g. XDCAM HD)
Optional up to 8TB storage

CONTROLS

GPI (16 in/out)
VDCP
MOS
GENESIX WCF Interface
REST

GRAPHIC

nVidia Quadro K620 2GB

STORAGE

Redundancy with hot swap
2x 600GB SAS 15krpm SFF HotPlug (RAID1) for OS
6x 600GB SAS 15krpm SFF HotPlug (RAID5 or RAID6) for Video

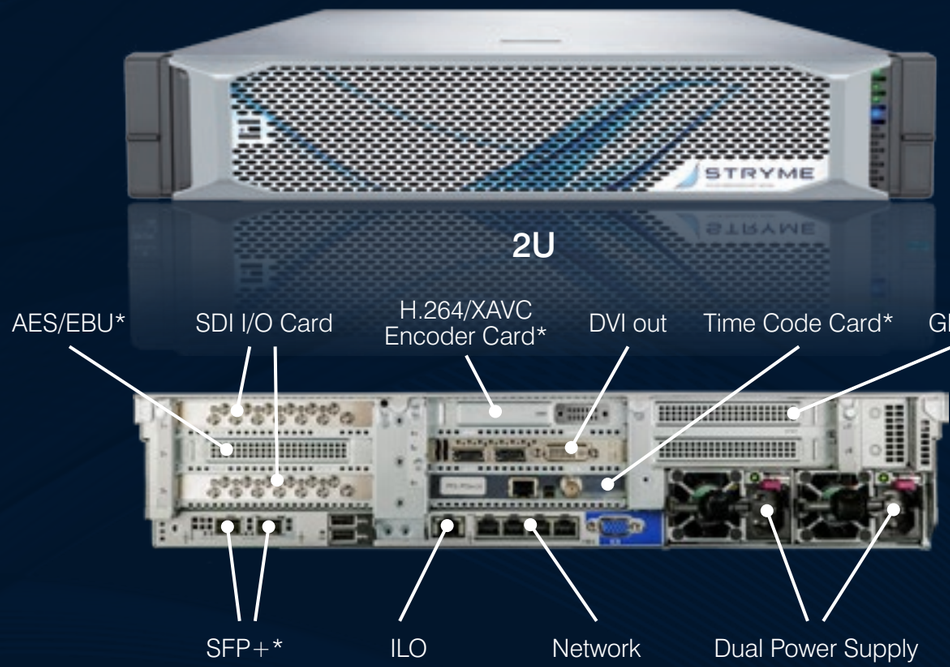
PORTS

1x DVI/DP Video
4x Network RJ-45 1GBit Ethernet (support for Teaming), Optional 2x 10Gb on SFP+
1x HP iLO Remote Management Network Port 1 Gb Dedicated
5x USB Port
Optional 2x or 4x Serial

SYSTEM

Rack 19“ 2U
Redundant power supply 1600W PlatinumPlus (hot swap)

Optimum performance
Not a challenge but our mission



16 HD
4K UHD READY
5 Years Guarantee
GENESIX SECURITY PACKAGE

*optional items

CUSTOMER
Support & Guarantee

Support

Our **Basic Care Pack** provides you with general support via web and email during CET office hours. It covers problems that do not require immediate assistance, such as general software issues. The **Premium Care Pack** and the **Elite Care Pack** ensure that you receive daily assistance within a short or even self-defined response time. Your requests will be answered and handled by our 1st and 2nd level engineers and prioritized in the work process.

STRYME's minor and major upgrades ensure that your system is always state-of-the-art – for no additional charge.

Guarantee

Our STRYME team may offer different delivery methods for the provision of guarantee services, including but not limited to the delivery of parts and products, remote or on-site services and maintenance.

STRYME hardware and software products may come with a **3-year, 5-year or 5-year PLUS limited guarantee period**. A 1-year guarantee period is automatically included.

What must I do if I need STRYME support?

Support Hotline
+43 1 968 11 62 77

Support Web:
www.stryme.com

Support E-mail:
support@stryme.com

CUSTOMER
CARE PACKS

	BASIC CARE PACK	**PREMIUM** CARE PACK	**ELITE** CARE PACK
licensing	✓	✓	✓
installation help	✓	✓	✓
configuration support	✓	✓	✓
bug reports and bug fixes	✓	✓	✓
minor system updates	✓	✓	✓
major system updates		✓	✓
1st level support	✓	✓	✓
2nd level support		✓	✓
defined processes for escalations and elevations		✓	✓
advanced position in the work process		✓	✓
support via TeamViewer		✓	✓
preventive services			✓
system health and antivirus check			✓
guaranteed system recovery			✓
warranty of spares			✓
GUARANTEE	3 years	5 years	5+ years
	M-F, 5*9am-5pm CET 24 hours response time	Daily, 7*8am-6pm CET 4 hours response time	Daily 7*8am-8pm CET self-defined response time

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YOUR BROADCAST WOW