

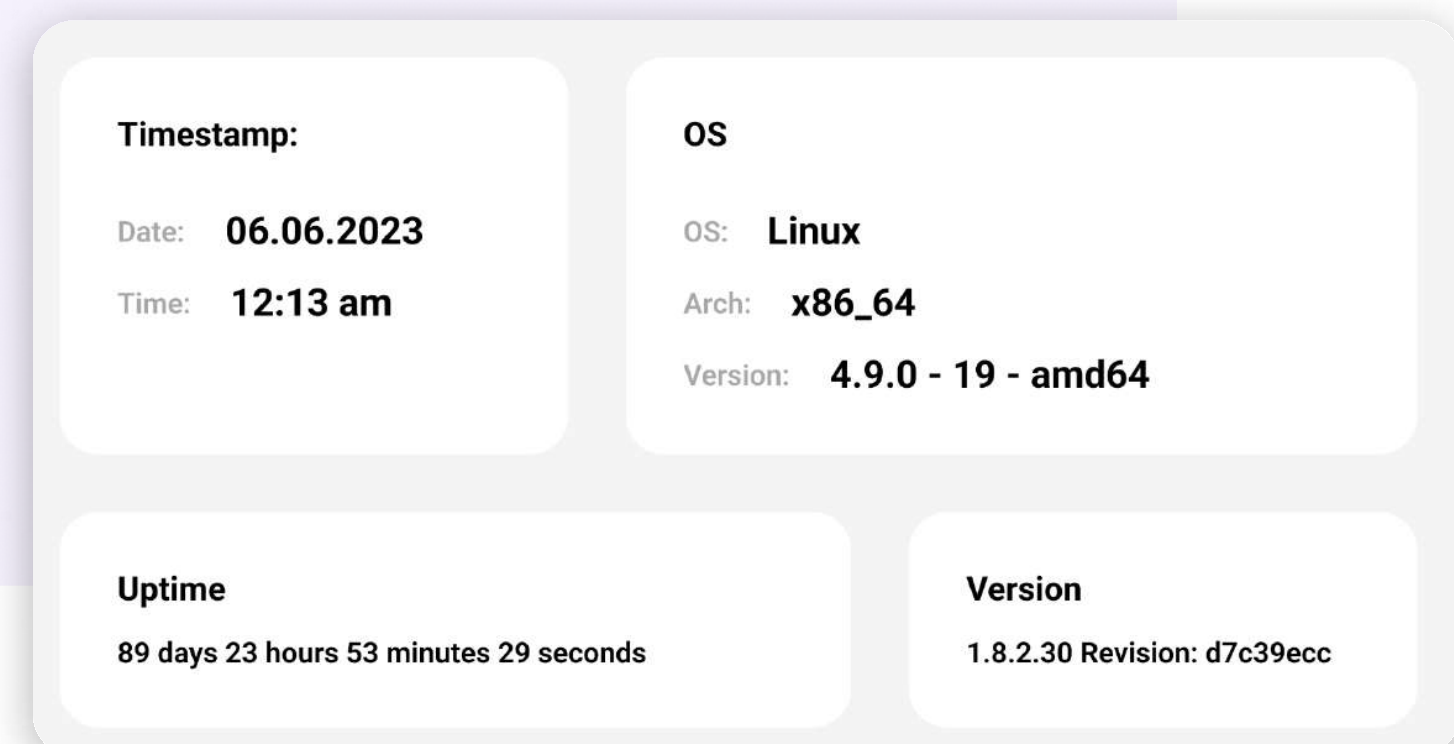
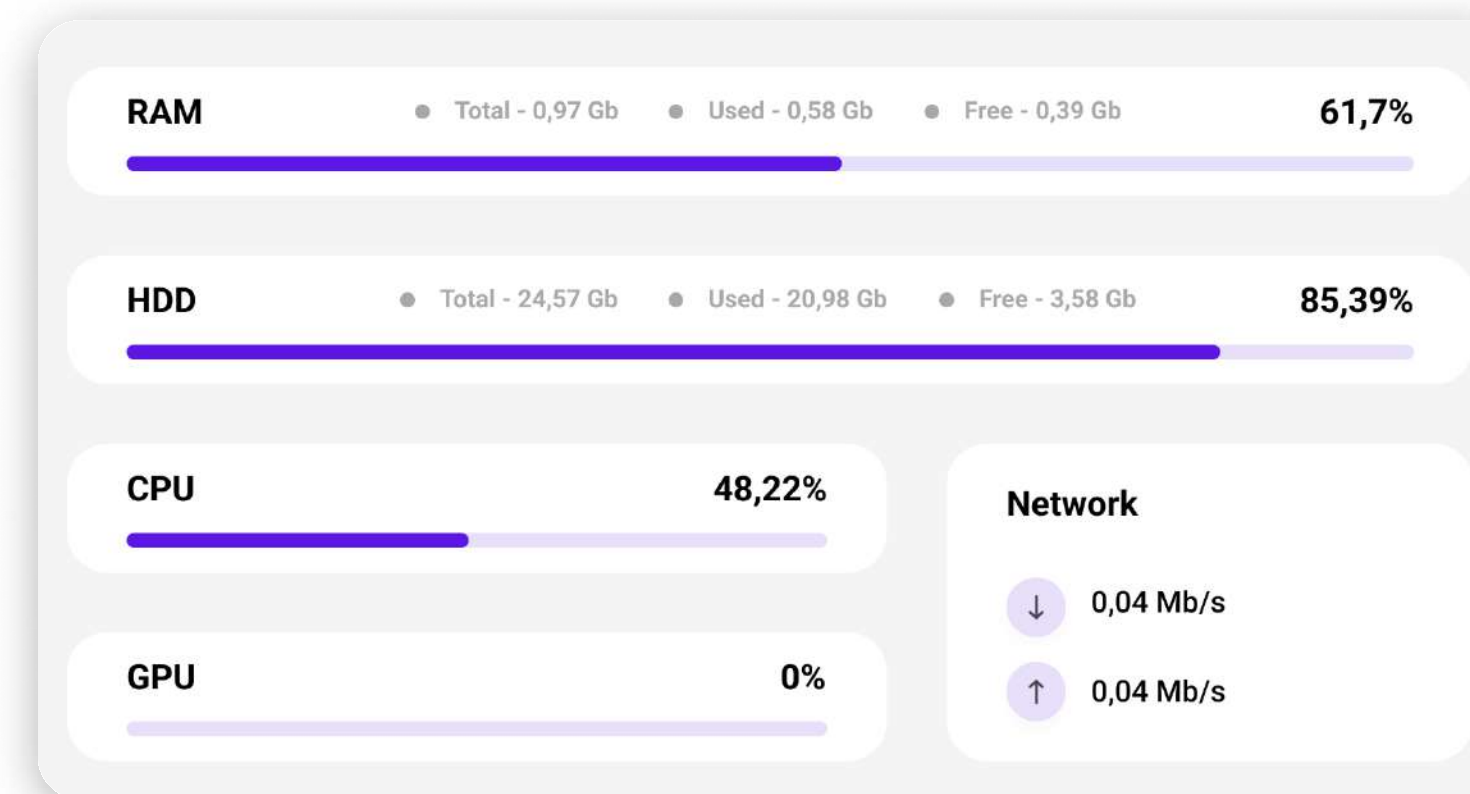
FastoCloud Media Server:

Empowering software solution for building and scaling video streaming services of any size

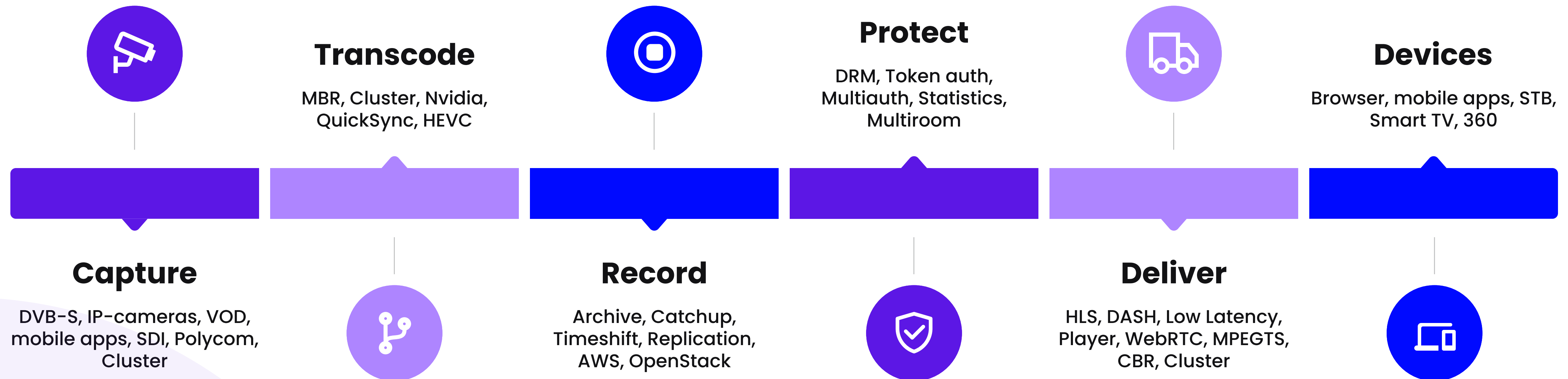
What is FastoCloud Media Server?

1 FastoCloud Media Server is a versatile and reliable solution for streaming video content of any type and complexity. It enables users to host live video broadcasts using IP cameras, provide on-demand video access, and seamlessly integrate video streaming into various projects such as intercom systems, webinars, and mobile device video recording.

2 As a professional platform for OTT and IPTV services, FastoCloud facilitates the capture, transcoding, and archival recording of videos, as well as user and thread management, ensuring the delivery of multi-protocol video (live and on-demand) to global audiences.



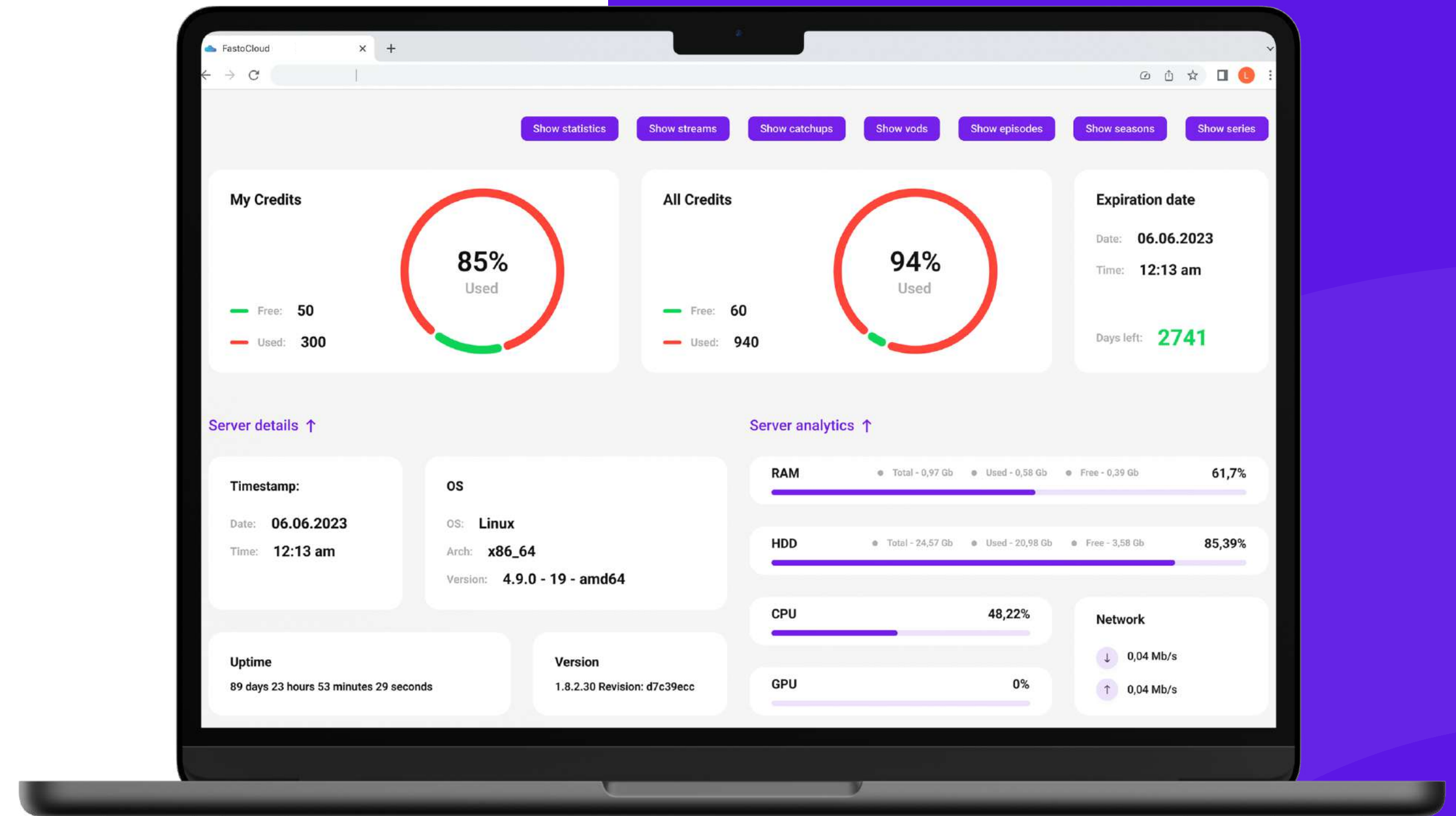
How does it work?



Web UI Management

FastoCloud is managed from simple User Interface or **API** on board you will have:

View, Create, Delete, TroubleShooting Tools, Media Checker, Speed Checker, Folder scanning, Computer vision, Neural networks, Realtime notifications, Video/audio effects, Overlays etc.



Solutions:

Community

- Restreaming media source
- Transcode/encode
- Catchup
- Logo, image, text overlay
- Delivery up to 4K Resolution

PRO + Community

- WebRTC streams
- Internal CDN/Load balance modules
- Probe streams
- Scanning local folders
- Realtime changing
- Social links
- Satellite&Terrestrial
- Capture inputs
- DRM

PRO ML + PRO

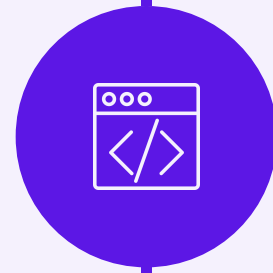
- AI event notifications
- Nvidia Deepstream, Maxine support
- Custom neural models

Features Community:



Restreaming media source

Transmuxing by re-packaging your streams from one protocol to another on the fly without having to transcode them with minimal resources. A wide range of inputs/outputs is supported. Codecs and Protocols.



Transcode / Encode

Hardware acceleration (Nvidia, Intel QuickSync), Multi-Bitrate (ABR), Watermark overlays, FailOver I/O Switching, Major I/O Protocols and Codecs supported. Codecs (List ICON), Protocols (List ICON).
Transcode your video on demand files to adaptive bitrate streams in HLS and or DASH from any cloud-based storage to any storage.



Catchup

Timeshift allows a delay streaming of live channels. ABR Stream support. Catchup enables live channel pause and rewind, and the viewing of past shows.



Logo, image, text overlay

Place your logo, image, text on your stream or VODs to build your brand name, highlight the activities, events.



Delivery up to 4K Resolution

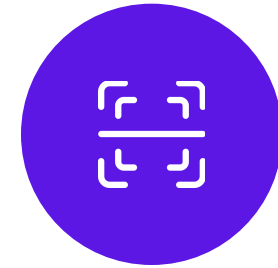
Functionality coming with the encoders allows broadcasters and service providers to deliver multi-feature services in resolutions ranging from Standard Definition to 4K. A real-time encoding/ transcoding solution Setplex Encoders are the most powerful encoder in the market providing uncompromising quality.

Features PRO:



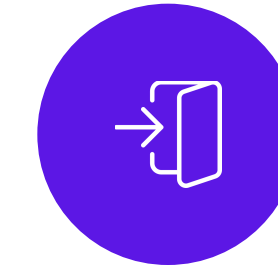
WebRTC streams

This is a real-time protocol without any delays, allowing you to stream with minimal latency (0.01-0.05 seconds). These streams are available on all platforms (Android, iOS, Linux, macOS, Windows, etc.) and web browsers



Scanning local folders

Searching for media files within the system for future use as media content



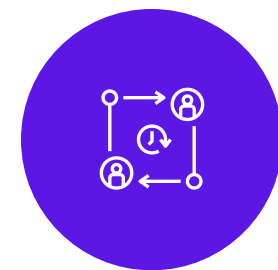
Capture inputs

HDMI, SDI, DVI, Component feed capturing. 3U Server can be configured with upto 32 physical Inputs



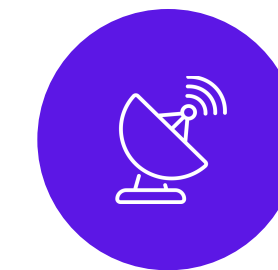
Internal CDN/Load balance modules

This feature enables the balancing of loads to effectively handle a larger volume of clients on a single server



Realtime changing

Seamless real-time switching between streams to obtain the best angle for your stream or for inserting advertisements



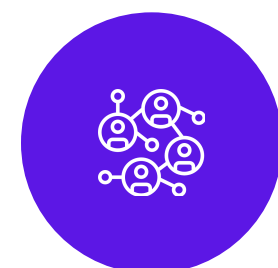
Satellite & Terrestrial

Satellite & Terrestrial signal
Capturing Inputs: DVB-S/S2, DVB-T/T2, DVB-C - Scan, Tune, EPG Capture



Probe streams

Fetching stream properties: codecs, color palette, protocol, bit rate, frame rate, number of audio tracks, etc



Social links

Capability to upload streams or videos from any social platform or stream them to any other social platform seamlessly, without requiring any additional solutions



DRM

Support for all major DRM systems and Cloud Multi-DRM providers

Features PRO ML:



AI event notifications

Perform an object detection search within the video content to provide notifications to the user or systems utilizing this service via the API.



Nvidia Deepstream, Maxine support

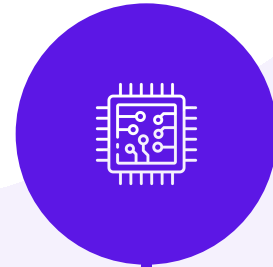
Support for the NVIDIA library to facilitate object detection using computer vision.



Custom neural models

Training neural models, integrating them, and optimizing for subsequent utilization in diverse business scenarios.

Technical requirements



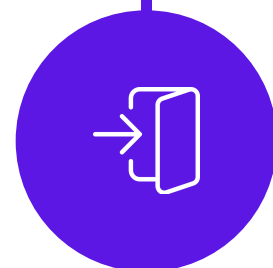
Hardware

- Server requirements for 1K: 2GB ram, Intel(R) Xeon(R) CPU E5-2620, 100 Mbps
- Server requirements for 10K: 16GB ram, Intel(R) Xeon(R) CPU E5-2620, 1000 Mbps
- Server requirements for 100K: 32GB ram, AMD EPYC 7351P 16-Core, 10000 Mbps
- Optional GPU card: Nvidia, Intel, Amd



OS:

- Ubuntu 20 and higher
- Debian 11 and higher



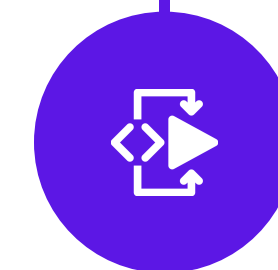
Input

Http, tcp, udp, webrtc, rtc, rtp, rtmp, ndi, file, azure, aws, s3, google storage



Output

Http, tcp, udp, webrtc, rtc, rtp, rtmp, ndi, file, azure, aws, s3, google storage



Codec

x264, av1, hevc, mpeg, vp8, vp9, nvidia.x, intel.x, amd.x, omx.x, opus, aac, mp3, jpeg, png (where x can be any codec supported by this hardware)

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