



BitstreamsTM

The control panel to simplify your streaming operation and maximize your VPU's performance

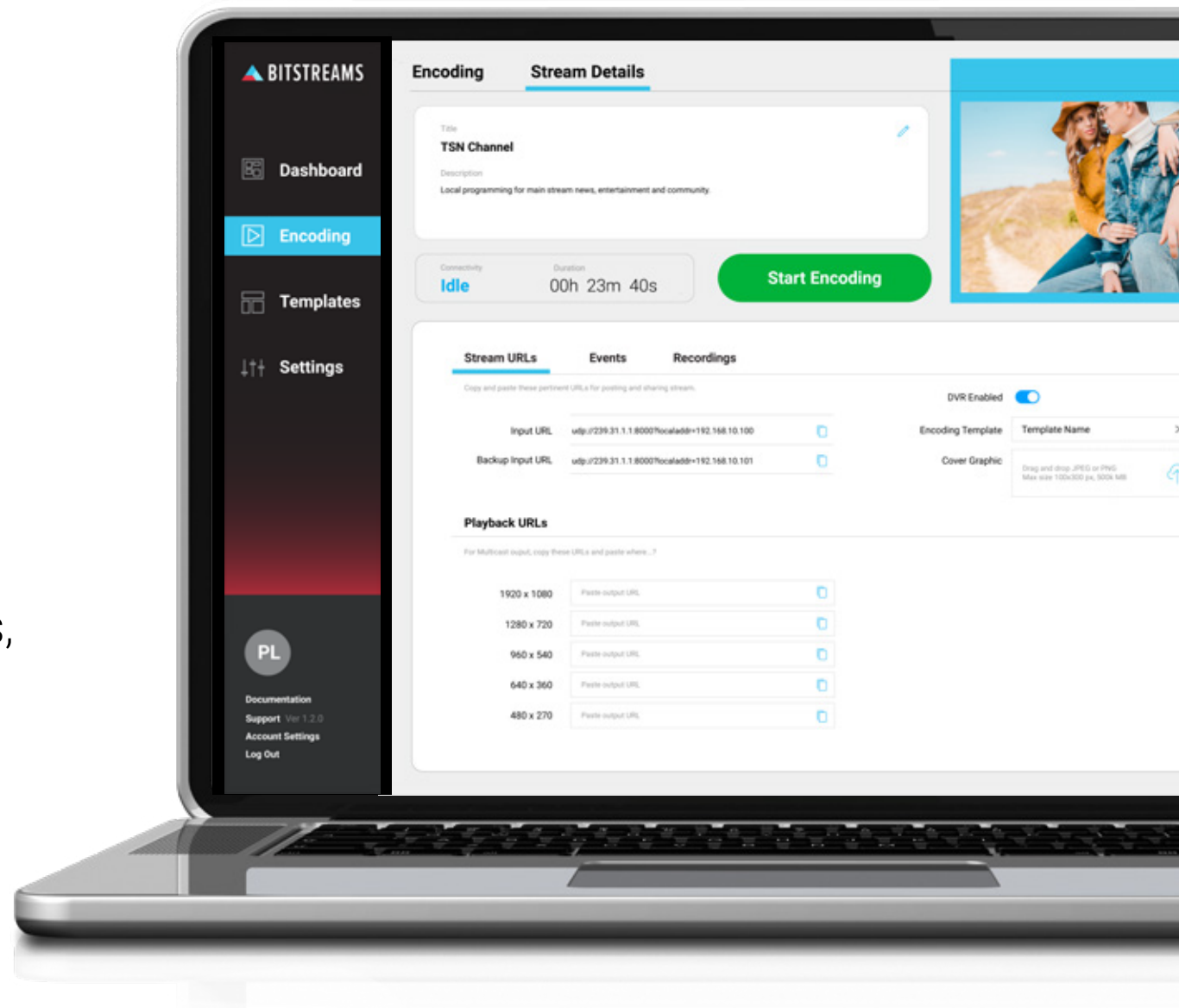


FFmpeg power without the pain

NETINT's Bitstreams™ replaces command lines with a friendly dashboard, ready-made templates, and always-on VPU optimization.

Manage, monitor, and scale live streams effortlessly.

No code. No chaos.
Just streaming simplified.



Dashboard View

Command central for your streams

- **FFmpeg power. Zero code.**
Tap into FFmpeg 7.0 without ever writing a command line
- **Built for non-engineers**
Streamlined interface designed for operators, not developers
- **Live stream launch in clicks**
Prebuilt templates make setup fast, repeatable, and foolproof
- **VPU health at a glance**
Real-time dashboard shows system load, errors, and stream status
- **Preloaded and ready to go**
Comes installed on every Quadra server—no setup required



Dashboard
Encoding
Templates
Settings

Encoding

From this page users can view the status of current encoding sessions, along with viewing the current configuration. Users are also able to stop, start streams and navigate to a more detail page by clicking on the stream name.

To create a new stream, use the "+ Create New Stream" button on the right hand side of the screen.

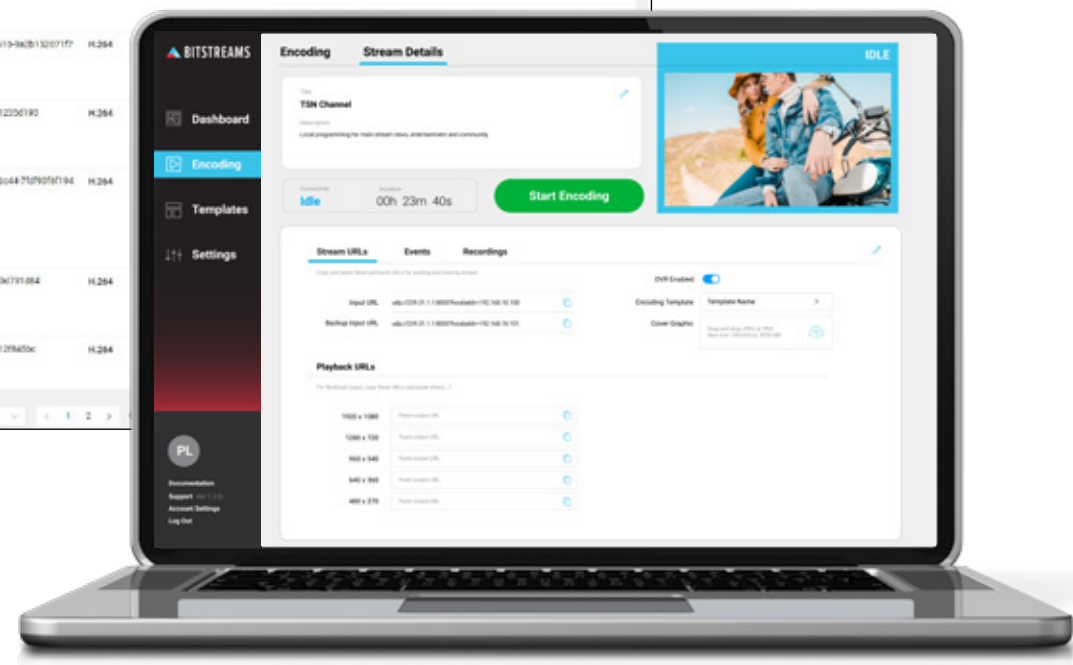
Status	Stream Information	Input URL	Template	Output URL(s)	Message
Stopped	test stream	rtsp://CL/506/103837streams...a2c58c23d63d31m-publiuh	H.264	http://CL/506/5w/103837...a2c58c23d63d31m-publiuh http://CL/506/5w/103837...a2c58c23d63d31m-publiuh	
Stopped	sdgfgdfg	rtsp://CL/506/1935/5w/1...25-47a5-aef126084a5aaf9	H.264	test	
Stopped	asda	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264	http://CL/506/5w/103837...a2c58c23d63d31m-publiuh http://CL/506/5w/103837...a2c58c23d63d31m-publiuh	
Active	1	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264	http://CL/506/5w/103837...a2c58c23d63d31m-publiuh http://CL/506/5w/103837...a2c58c23d63d31m-publiuh	This is a encoding issue2
Disconnected	12	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264	http://CL/506/5w/103837...a2c58c23d63d31m-publiuh http://CL/506/5w/103837...a2c58c23d63d31m-publiuh	This is a encoding issue3
Idle	1a	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264		
Idle	123	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264		
Idle	1a1	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264		
Disconnected	2a2	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264		
Idle	1234	rtsp://CL/506/1935/5w/1...25-4608-a84c0440f0a0b0	H.264		

Total 15 10/page

Encoding

See it, set it, stream it

Preview and manage all live encoding sessions with a clear visual breakdown of each stream.



Dashboard

Encoding

Templates

Settings

Templates

From this page users can view all the templates configured. By clicking on the row, a summary of the template will be displayed on the right. Users will then be able to modify the template by clicking the edit icon. To create a new template, use the "+ Create New Template" button on the right hand side of the screen.

Reset

Search

Name	Used	Created
template1	0	2024-09-25 16:18:19
asdad	0	2024-09-10 22:42:56
123	0	2024-08-21 23:55:22
123a12 Default	0	2024-08-01 09:28:37
1212311	0	2024-07-01 21:56:54
12342	0	2024-07-12 23:34:52
123a	0	2024-07-10 09:42:09
1237	0	2024-07-09 21:40:30
Taaaa	1	2024-07-08 16:18:44
adada	1	2024-07-06 01:44:57

Total: 21

16/page

<

1

2

3

>

Go to

1

Preview Configuration

Taaaa

Output Format

HLS Format: fmp4

Segment Duration: 1 sec

Window Size: 3 sec

Video Parameters

Output 1: H.264 4500kops 30fps 1920x1080

Output 2: H.264 4500kops 30fps 1920x1080

Output 3: H.264 4500kops 30fps 1920x1080

Output 4: H.264 4500kops 30fps 1920x1080

Output 5: JvT 4500kops 30fps 1920x1080

Output 6: H.265 4500kops 30fps 1920x1080

Output 7: H.264 4500kops 30fps 1940x1080

Output 8: H.264 4500kops 30fps 1920x1080

Output 9: JvT 4500kops 30fps 1920x1080

Output 10: H.265 4500kops 30fps 1920x1080

Audio Parameters

Output 1: CDPY copy und 48k 128kops 6chs

Output 2: AAC copy und 48k 128kops 6chs

Output 3: CDPY copy und 48k 128kops 6chs

Output 4: AC3 copy und 48k 128kops 6chs

Output 5: CDPY copy und 48k 128kops 6chs

Output 6: CDPY copy und 48k 128kops 6chs

Templates

Set once. Stream often.

Use prebuilt or custom templates to standardize configurations and launch streams faster.

With 5 subtabs of detailed configurations, your streaming schedule is tailored to your needs.

Video Parameters	Audio Parameters	Advanced	Format	Graphics Overlay
Output	Codec	Bitrate (kops)	Frame Rate (FPS)	Resolution (width x height) (px)
1	H.264	4500	30	1920 x 1080
2	H.264	4500	30	1280 x 720
3	H.264	4500	30	640 x 480

Video Parameters

Audio Parameters

Advanced

Format

Graphics Overlay

Default Language

eng

Supported Language Codes

If audio stream is not specified, this language will be used as default.

Live Transcription

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Enabling Whisper AI Live Transcription requires CPU resources from the host, which will affect the overall capacity of the server.

Transcription Index

1

Select the input audio track for the Live Transcription.

Output	Input Index	Language	Default Language	Codec	Profile	Channel	Bitrate (kbps)	Sample Rate
1	0	copy	und	ac3		0	128	48k
2	1	copy	und	aac	aac_low	0	128	48k

About Bitstreams

Bitstreams was built for companies that want the power of FFmpeg without requiring a dev team. Designed for edge deployment, it gives teams a code-free way to manage live streams, optimize video workflows, and monitor VPU health—all through an intuitive interface.

Ideal for:

- Streaming platforms without in-house software development
- Service providers, broadcasters, and linear TV operations
- Teams managing on-prem hardware with limited dev resources
- Organizations with compliance requirements and auto-recording needs
- Any business needing powerful tools without building from scratch

Easy to Deploy

- Preloaded on all Quadra Video Servers
- Compatible with existing Quadra and Logan hardware
- Runs on Linux (x86 or ARM) via Docker containers
- Minimal setup—just a few command strings to launch
- Self-managed upgrades during your own maintenance window

System Features:

- Simplified, code-free configuration of FFmpeg 7.0 for non-technicals in wide stream distributions
- Dashboard provides visual quick-check for:
 - Streaming Error Alerts
 - System Health Check
 - CPU/VPU hardware capacity loads
- Generates report logs for stream status
- Preset templates for simplified management of live stream sessions, set once-use many
- Managed through web app or custom API
- Annual subscription model includes:
 - New feature releases, bug fixes, tech support, and failover redundancy

Live Streaming:

- Supports lone-time events with several hour duration
- Input: SRT, RTMP
- Output: Dash/HLS

Live Video Encoding:

- System runs 24/7/365
- Input Support: SRT, RTMP, Dash/HLS, Multicast/UDP
- Output support: Dash/HLS, Multicast/UD
- Records to a file

We were first.

We created the VPU category to exponentially reduce costs, shrink server footprint and expand global reach.

100,000
VPUs sold

ONE TRILLION
minutes streamed



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