



# oGate

Hardware gateway designed for seamless, low-latency signal processing

12G-SDI

JPEG XS

SMPTE ST 2022-6/7

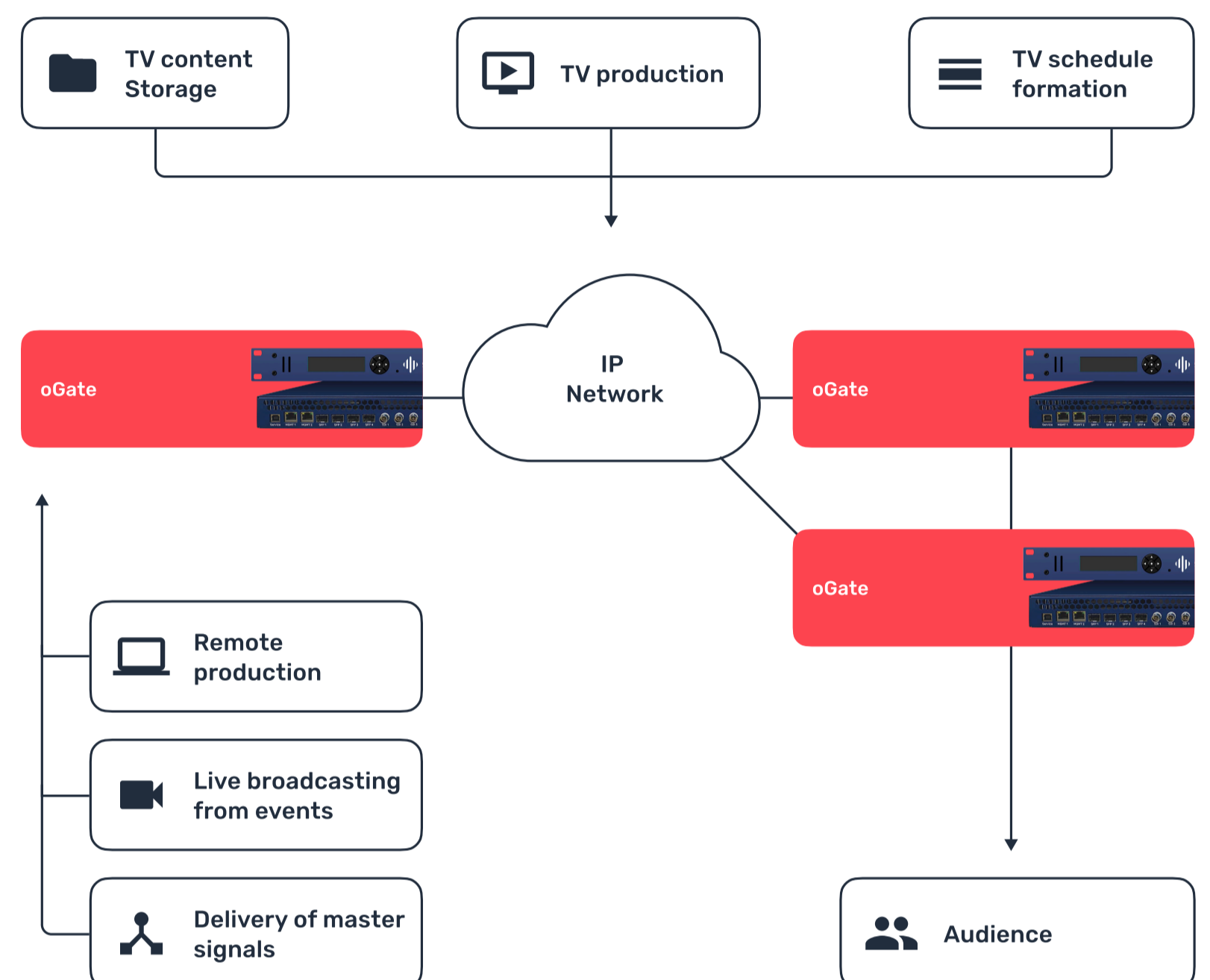
# Immerse yourself in the world of seamless and dependable video and audio content delivery with oGate, a revolutionary hardware solution meticulously crafted for minimal latency.

oGate represents the pinnacle of swift signal transmission and conversion characterized by unmatched flexibility and adaptability.

Supporting an array of protocols, including the industry standards 2022-7, and seamlessly integrating with SDI interfaces, oGate effortlessly caters to diverse signal sources, transforming them into desired formats with ease.

Harnessing the cutting-edge prowess of the exclusive JPEG XS implementation, oGate excels in compressing signals while preserving quality, ensuring swift and efficient data transmission.

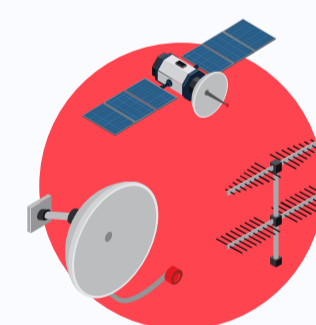
Entrust oGate to elevate your content delivery journey with unparalleled speed, reliability, and precision.



## Key Features

- 128 streams with a total bitrate of up to 9 Gbps. Allows creation of up to 256 stream copies for 2022-7 redundancy
- Versatile support for a spectrum of IP protocols, ensuring compatibility with a myriad of signal sources
- Guaranteed stream redundancy through innovative features such as automatic changeover and ST2022-7, ensuring uninterrupted data flow
- Comprehensive input stream monitoring and quality assurance checks, coupled with seamless management options via REST API, SNMP, and more
- Seamless integration with existing networks and systems, offering effortless deployment and compatibility
- Scalability tailored to your needs, providing a future-proof solution through licensing, eliminating the need for full system replacements

## Application areas



Satellite, cable, and terrestrial broadcasting hubs



Mobile television stations



Remote program environments



Media centers facilitating content delivery and distribution

## Highlights



### Stability Under Heavy Loads

oGate guarantees stable data transmission even under heavy load conditions, leveraging fault tolerance mechanisms to maintain performance integrity. With signal processing speeds reaching up to 61 Gbps per unit, it ensures high performance and optimal resource utilization.



### Scalability

oGate's scalability enables it to scale according to user requirements, offering a cost-effective and future-proof solution through licensing. This empowers organizations to adapt to evolving media consumption patterns and content needs without necessitating full system replacements.



### Effortless Integration

The solution seamlessly integrates with existing networks and systems, supporting various management and monitoring protocols such as NMOS, REST API, and SNMP. This ensures compatibility and ease of deployment, streamlining integration processes.

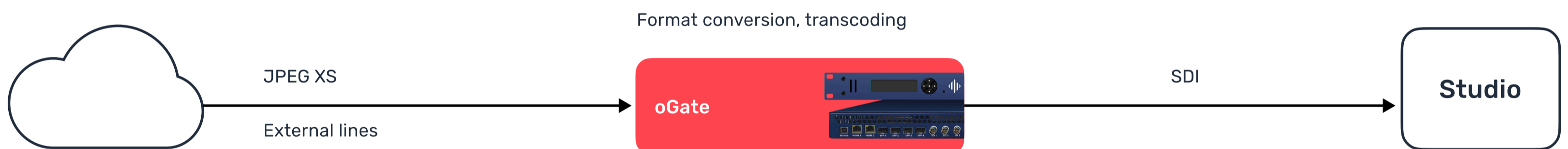


### Tailored Solutions for Every Scenario

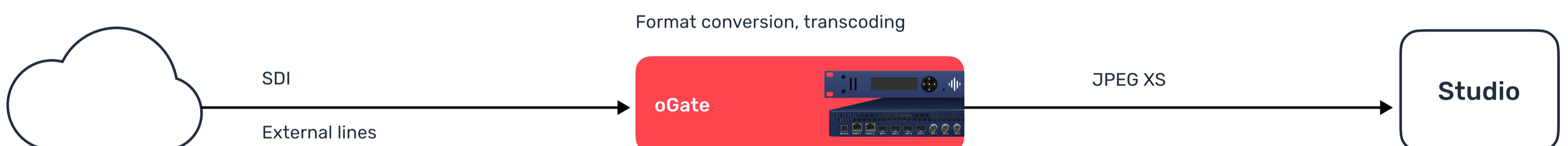
oGate offers adaptable signal formats and customizable compression parameters, facilitating swift adjustments to evolving media delivery requirements. Its versatility empowers broadcasters and media organizations with flexibility, eliminating the need for major hardware or software overhauls.

## Application Areas

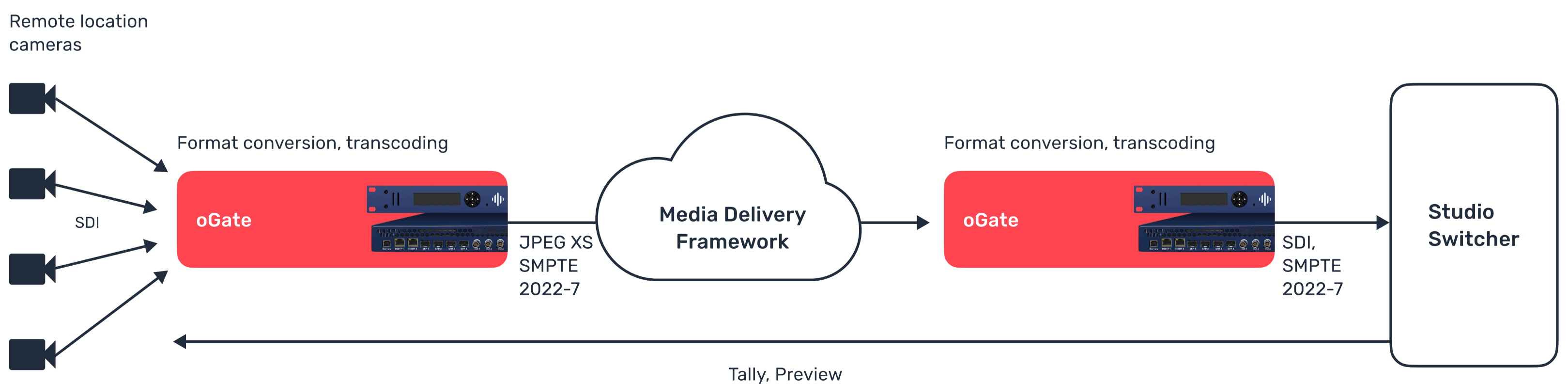
### Studio setups based on SDI



### Studio setups based on JPEG XS



### Remote program environments



## Specifications

### Compression / Decompression

- JPEG XS

### Supported Formats

- UHD
- HD/SD

### Monitoring

- Input Monitoring
- QoS
- PTP Time Sync.

### Stream Redundancy

- Automatic Changeover
- ST2022-7

### Control Interfaces

- 1x RJ45 1 Gb/s

### Device Management

- REST API
- SNMP
- NMOS
- Alarm Event Collection

### Redundancy and Fault Tolerance

- SMPTE 2022-7 Seamless Conn. for SMPTE 2022-6
- SMPTE 2022-7 Seamless Conn. for SMPTE 2110
- SMPTE 2022-7 Seamless Conn. for AES67
- SMPTE 2022-7 Seamless Conn. for TSoIP

### Ethernet Interfaces

- Data/Control 4x SFP 10 Gb/s

### SDI Interfaces

- 4x 3G SDI/ASI
- 1x 12G SDI\*

*\*When using this port, the other 3G SDI ports are unavailable*

