Broadpeak BkS450

Maximizing Video Streaming Capabilities While Maintaining Energy Efficiency

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Solution Overview: In today's digitally-heightened world video consumption has seen a dramatic uptick, with the average viewer spending 17 hours a week watching content.[1] Providers need to ensure seamless streaming experiences for customers, but video consumption strains network traffic, accrues high operational costs, and generates significant carbon emissions. Broadpeak aims to help drive more efficient, greener, and cost-effective video streaming infrastructures with its BkS450 high-performance video streaming software. When running on 4th Gen Intel® Xeon® Scalable processors, BkS450 enables video service providers to deliver low-latency 4K video streaming, VR offerings, and other immersive, bandwidth intensive services with decreased costs and significantly lower power consumption than traditional video servers.[2] By leveraging ultra-efficient usage of hardware resources, the BkS450 offers significant improvement in both sustainability and performance, helping alleviate growing provider concerns about the energy impact of video streaming. In partnership with Intel, Broadpeak is driving advancements that enable users to deliver advanced streaming services consumers have come to expect, all while improving efficiency, decreasing costs, and reducing environmental impact.

Segment:
Visual Cloud

Industry:
Media and Gaming

Country/Geo:
Worldwide

Learn more:
- Broadpeak Website
- Broadpeak BkS450 Data Sheet

Business Outcomes

Improve customer satisfaction with a solution that not only maintains, but improves streaming performance, while enhancing efficiency and reducing strain on network traffic.

Reduce costs with the software's high-density design that allows for more efficient use of space in data centers and as a container running on off-the-shelf hardware, eliminating need for expensive proprietary components.

Improve sustainability by minimizing power consumption through energy efficient architecture that enables the software to operate with minimal computational waste and run on a smaller hardware footprint.

Key Features

- Low latency streaming
- Energy-efficient software
- Broad protocol support
- Enhanced CDN capacity
- Flexible software framework
- Up to 1 Terabit/s of throughput

Intel Products and Technologies

- 4th Gen Intel® Xeon® Scalable Processor Product Page

1. Oberlo, Online Video Consumption Statistics, August 2023 2. Broadpeak, Broadpeak BkS450 Streaming Software Passes 1 Tbps, September 2023