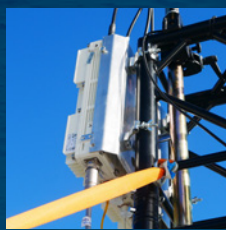


# Intel® Processors Enable Private 5G Platforms for Wireless UHD Video and Photo Transfer

Wireless, live UHD broadcast at an event of global scale

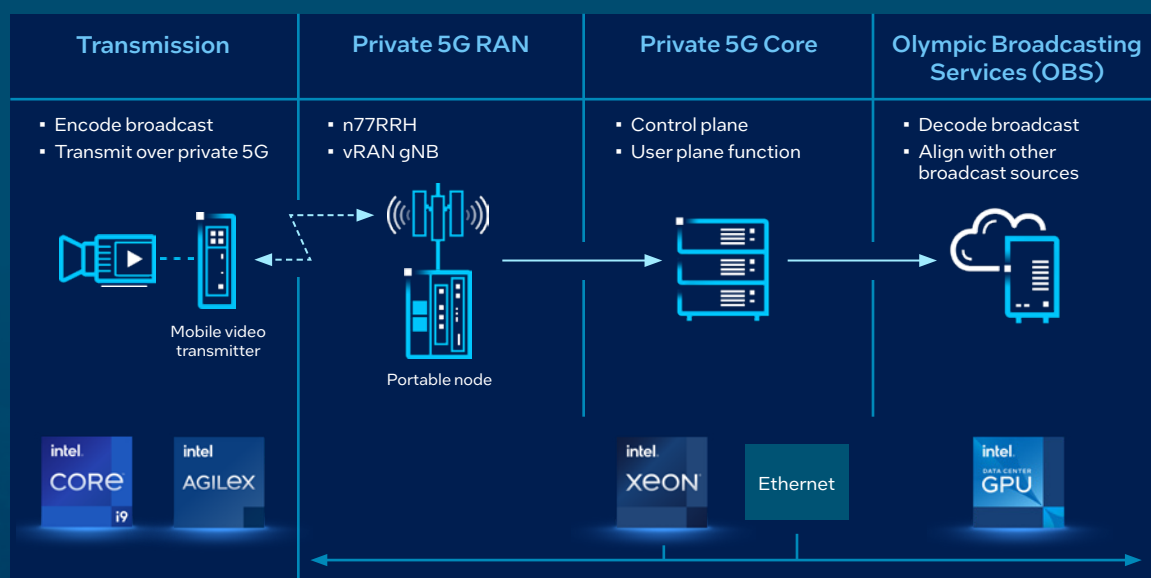


At the Olympic Games Paris 2024, Intel® processors enable a private 5G virtual radio access network (vRAN) platform that is cost-effective, scalable, and easy to use. Network nodes receive and transmit UHD footage with enhanced security to the Olympic Broadcasting Services (OBS) for distribution to rights holders worldwide.



## Components

Intel® Xeon® Scalable processor-enabled vRAN nodes at select venues receive, decode, and transmit 1K HD video from content capture devices, along with UHD live video streams driven by Intel® Core™ processor-enabled encode modules.



## Benefits

**Performance and reliability**  
Intel® processors support real-time delivery of UHD video streams and press-quality images.

**Control**  
Intel processor-enabled private 5G connections prioritize video streams to comply with service level agreements (SLAs).

**Ease of use**  
Portable vRAN nodes can be set up in minutes to bring connectivity to hard-to-reach venues.

**Scalability**  
Intel processor-enabled private 5G platforms can scale easily to reach more terminals and expand the coverage area.

**Sustainability**  
Private 5G platforms consume significantly less power than traditional implementations while eliminating the need for large trucks and other heavy equipment.

## Opportunity

Simplify wireless connectivity for live broadcasting in hard-to-reach venues while avoiding the pitfalls associated with congested public platforms or Wi-Fi coverage gaps.



<p>Up to <b>5</b> UHD live ultralow-latency video streams per private 5G vRAN node.</p>	<p>Up to <b>2X</b> vRAN capacity gain vs. previous-generation processors.<sup>1</sup></p>	<p>Up to <b>20%</b> compute power savings vs. previous-generation processors.<sup>1</sup></p>
---	---	---

Learn more at [intel.com/olympics](https://intel.com/olympics) and [intel.com/5G](https://intel.com/5G)

<sup>1</sup> For workloads and configurations, visit [intel.com/PerformanceIndex](https://intel.com/PerformanceIndex). Results may vary.

**Notices and disclaimers**

Intel® technologies may require enabled hardware, software, or service activation. No product or component can be absolutely secure. Your costs and results may vary.

Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

© Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.

0524/SK/CMD/PDF