

Background

In conventional interactive communications using the Internet, processing delays due to video compression/decompression and fluctuations in communication delays due to communication line usage caused video degradation and slight response delay in the human communication.

Summary

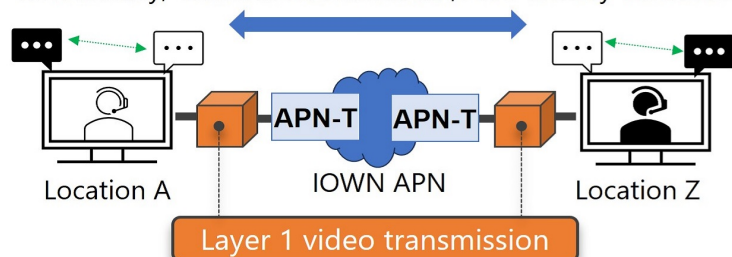
Layer 1 Video Transmission, which accommodates video signals directly into optical signals, enables transmission of high-definition video signals to remote locations with low latency and no video degradation in combination with the IOWN APN (All-Photonics Network).

High-end interactive communication

Uncompressed high-definition video transmission

Real-time response

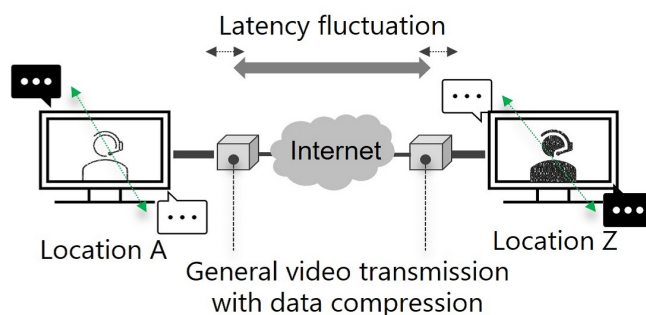
Low latency, Guaranteed bandwidth, Zero latency fluctuation



General interactive communication

Video degradation due to compression

Slight response delay in human communication



Features

- Direct accommodation of 4K HDMI signals to Layer 1 signals with no compression
- Use of international standard OTN (Optical Transport Network) signal as Layer 1 signal
- High-capacity transmission with low latency and fixed bandwidth in combination with the IOWN APN

Future benefits

In addition to real-time teleconferencing, people can comfortably interact with each other between remote locations, such as in ensembles, choirs, and comic performances.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact

rdforum-exhibition@ml.ntt.com