

Remote Assistance

“To see what happens and provide remote support”

Remote Assistance is based on two combined concepts. A high definition camera is installed at a site of interest, possibly on mobile support, under 5G radio coverage, while one observer is located in remote locations.

The camera is capable of generating a 4K (or higher) definition A/V stream. The multimedia video content is collected by a multimedia application, running in cloud, capable of reproducing the image towards one or more observation points. An observer will be able to guide the camera wearing a viewer, or using a smartphone or tablet, by moving it synchronously.

The camera is mounted on a motorized gimbal and users can move it quickly just by moving their head (with smartphone + cardboard or Oculus Quest), their devices or using the mouse on a PC.

Features

“Drive a camera
with your head
movement”

Use cases can be related to Remote Assistance, TeleSurveillance, TeleMedicine scenarios, television applications (remote stadium, use of sports events in first person), virtual tourism (virtual visits to museums in both live and registered mode), remote interviews or Smart Operation activities.

In case of radio 5G coverage (low latency – URLLC, high bandwidth – eMBB), the following features are offered:

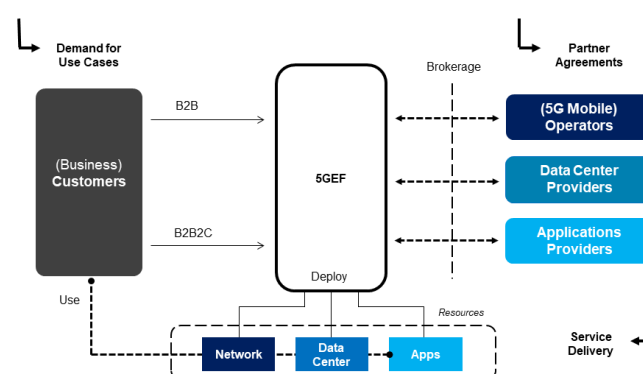
- Delay between transmission and reception of the stream are between 5 and 10 seconds.
- Video quality: 4K definition (up to 20 Mbps stream per flow) or 8K definition (where supported by camera and observer’s device, up to 120 Mbps per flow).
- Interactive chat: users will be able to interact via chat.
- Cicero: through the Picture In Picture (PIP) function, the user of the content will always have the face of the speaker who is speaking visible in a small box.
- Broadcast on YouTube: it is possible to implement automatic live broadcast, as well as on a private server, on a chosen YouTube channel.

5G Enabling Fabric (5GEF)

“Enabling 5G Solutions as use cases for Customers”

5GEF is a cloud based platform specifically designed for configuring and delivering business services to enterprise customers. NTT DATA’s solution provides Telcos and MNOs with a modular platform for deploying business applications provided by any relevant vendor, to virtually any location worldwide, as easily as opening an account with a mainstream SaaS provider.

A slice-oriented architecture supports delivery of secure, dedicated services on a global shared platform, while an abstraction layer enables customer self-selection for automated launch of configurable use cases.



Additional key features:

- Standard Network Slicing model (GSMA).
- Now Ready for 4G or 5G NSA early deploy.
- Focused on 5G SA solutions.
- Deliverable for Cloud Service Providers.
- Supported Pay-per-use and SaaS applications.