IOWN INTEGRAL

NTT R&D FORUM 2024

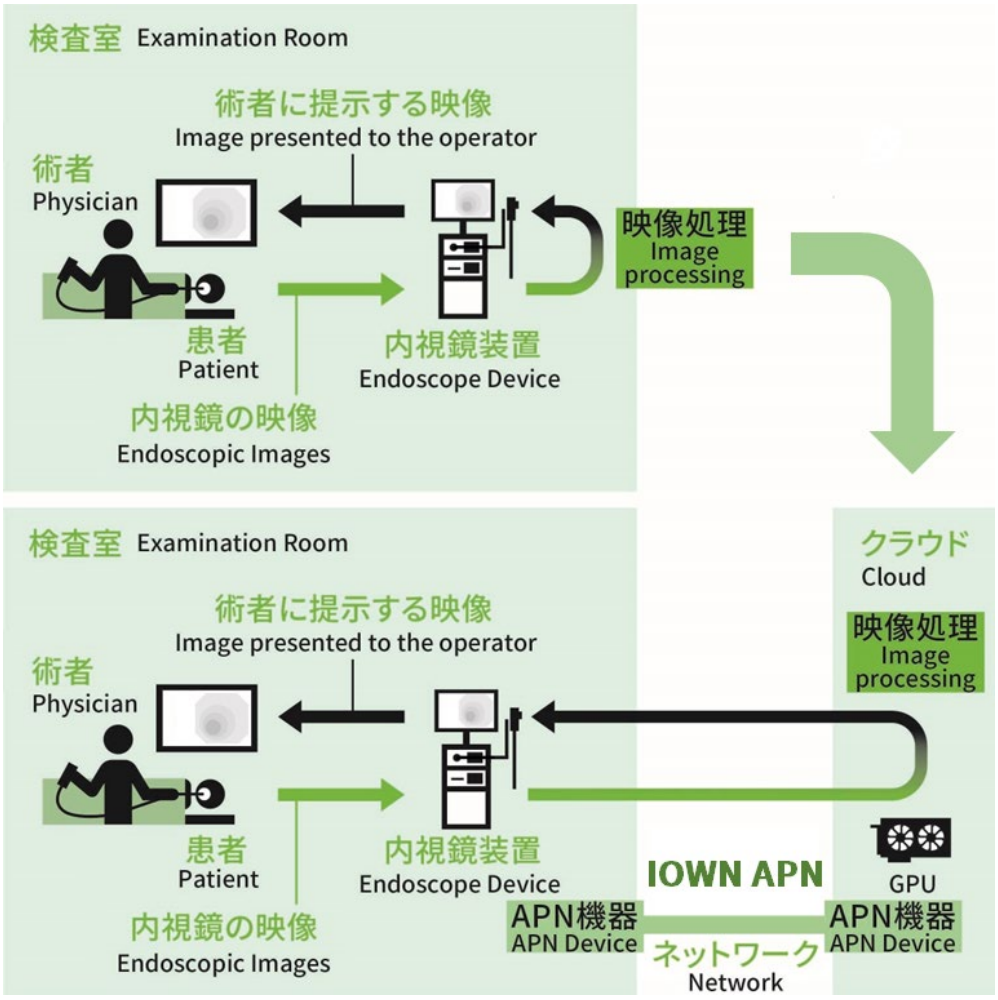
DEVELOPMENT

δ 03-03

Demonstration with APN - Cloud Endoscopy Analysis -

NTT's IOWN APN technology makes it possible to process images in real-time on the cloud

#Customer Experience Value Creation



///Technical Issue

Realizing a high-speed, low-latency network with no delay between the endoscope and the cloud.

///Research Goal

Through the feasibility of a cloud endoscopy system, contributing to solving societal issues such as expanding access to advanced medical care.

---Technology

- NTT’s high-speed, low-latency IOWN APN technology.
- Olympus' advanced technology for endoscopes.

---Novelty

By combining APN's high-speed, low-latency network with Olympus's image processing technology, we will demonstrate that even if an image processing server is installed 150 kilometers away in a remote location, it is possible to transmit endoscopic images with minimal latency and no fluctuations, ensuring they are suitable for examinations and surgeries. This will confirm that APN can address the network challenges involved in realizing a cloud endoscopy system.

---Applicable Business

Business Areas: Information and Communication Industry, Medical Field.
Use Case Example: Applicable to Image processing use cases in the medical field.
Planned Service Launch: After 2030.

Exhibitors=NIPPON TELEGRAPH AND TELEPHONE CORPORATION Related URL= NTT Corporation HP

Contact URL Outside Partner= Olympus Corporation