E44

Space is measured in real time and reproduced via 3D pointcloud at a remote location

Dynamic visual change reproduction technology using 3D pointclouds

IOWN Evolution Project Metaverse - Fusion of Real and Virtual -

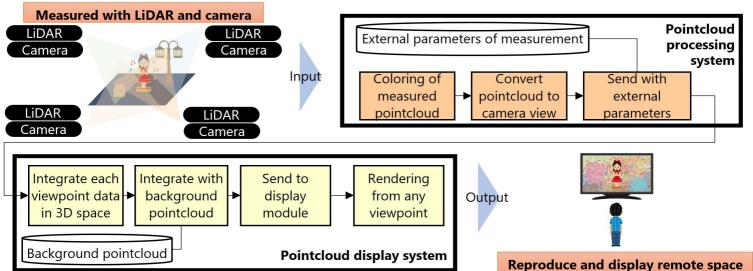


Background

Point clouds can easily and accurately measure 3D space, and have been used mainly for infrastructure equipment management. Generally, it is saved and displayed once, and there are few cases where it is used in real time.

Summary

It is possible to integrate, transmit, and display multiple 3D pointclouds in real time by three features: (1) efficient processing by separating the background and foreground, (2) integration considering the geometrical measurement conditions, (3) efficient transmission for large-scale pointclouds.



Features

- Real-time processing by separating background and foreground
- Integrated display of measured data from multiple viewpoints

Future_benefits

Not only for infrastructure development but also for entertainment, you will be able to see the observed space in real time from your favorite viewpoint.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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