HIGH SPEED WIRELESS COMMUNICATION!

LED Backhaul®

LED Backhaul is a registered trademark of Sangikyo Corporation. The registered # is 5911504.

High Speed & Low Latency

Stable > No Radio Interference

Secure > Extremely difficult interception

Speedy & Flexible > Easy Set-up

To be Standardized > Scheduled to IEEE802.15.13/ITU-T G.vlc

Powered by Fraunhofer Heinrich Hertz Institute

Produced by The Optimization Company Sangikyo Corporation

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LED Backhaul is suitable for high-speed wireless communication such as 4K8K video transfer. It can be used in environments where radio communication is not viable, as well as in temporary applications due to the freedom enabled by the LED Backhaul’s easy set-up design and lack of wired infrastructure.

*Use Cases* > Blue light is just an image, infrared LED adopted in the LED Backhaul is not visible.

<table>
<thead>
<tr>
<th>At Subway Stations</th>
<th>At Events</th>
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<tbody>
<tr>
<td>Building out a network at subway stations</td>
<td>Building out a temporary network at events</td>
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<tr>
<th>Between Buildings</th>
<th>In Factories</th>
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<td>Building out a network at evacuation sites</td>
<td>Building out a flexible network in factories and warehouses</td>
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**Date rates**: Max. 750Mbps (500Mbps@100m) Maximum communication distance is 300m.

**Size**: W262 x D158 x H150 mm

**Weight**: 2.6kg (Excluding AC adapter)

**Power**: AC100V / DC12V

**Consumption Power**: Approx. 15W

**Communication**: IEEE802.15.13 (To be standardized)

**Interface**: RJ-45 (1000Base-T)

**Wavelength**: Infrared LED

**Enclosure**: IP67

SANGIKYO’S LED Backhaul system is powered by the technologies of Fraunhofer

*Fraunhofer is one of the largest research institutes in Europe. Based in Germany, their technologies of voice coding “AAC” and optical fiber modulation are utilized all over the world.*

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**Contact Information**

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