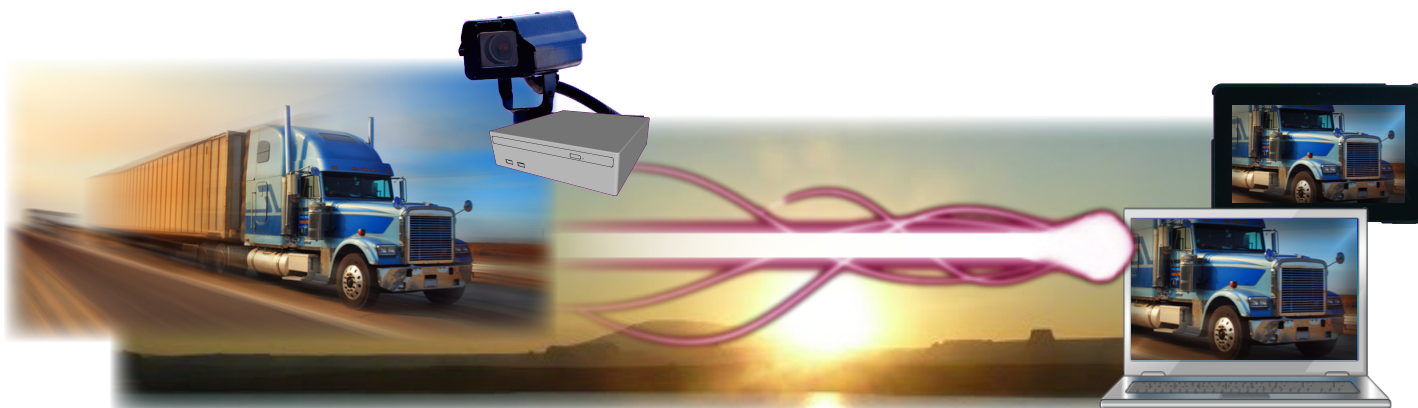


Low-latency real-time video delivery system

SUNLIGHT

Nippon Control System Corp.

SUNLIGHT is a real-time video delivery system that enables low-latency live streaming with encoding. In various scenes, it allows you to see "What's going on now in there" in the real-time video and respond promptly.



Low-latency live streaming with encoding

SUNLIGHT offers low-latency and smooth live streaming with encoding at low bandwidth in such as wireless LAN environment. (Latency is 200ms with 1080p 30fps at 4Mbps : in our environments)

IPv6 / Wireless LAN / Multicast support

SUNLIGHT supports unicast and multicast delivery in IPv4/IPv6 wired or wireless LAN. It allows flexible network layout using wireless communication such as IEEE802.11a/b/g/n.

Real-time remote multi-source control

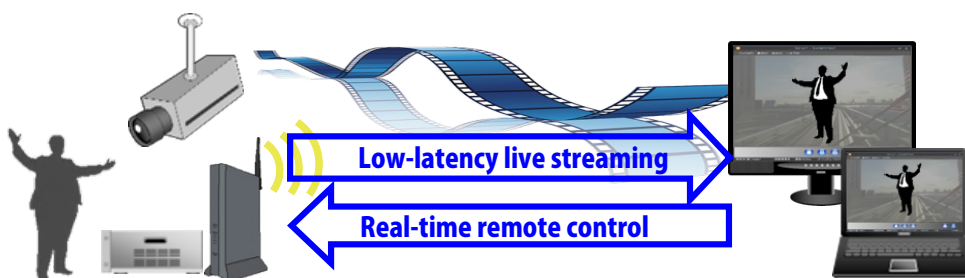
You can perform real-time remote control such as switching video source, or changing resolution and encoding quality dynamically. And also, SUNLIGHT allows you to get high-resolution image stored in server corresponding to the current frame: 'Snapshot' function.

Cameras for special use and image processing

SUNLIGHT can connect to non-RGB cameras such as depth sensors using extended component. And it can perform various real-time image processing such as image correction, image recognition and overlaying processing result on original image.

You can introduce SUNLIGHT in various forms such as installing on existing system or operating by appliance.

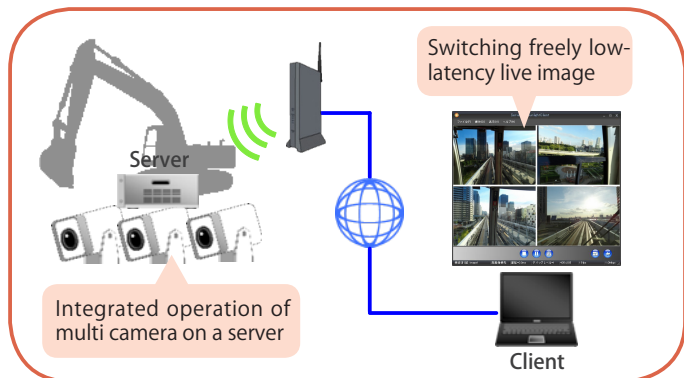
SUNLIGHT is a scratch software product which has high extensibility. You can introduce it as software module installed on existing systems, or small appliance located on existing facilities. It allows you to treat real-time image from external system as an image source, perform custom pre- or post-processing and translate unicast from/to multicast. SUNLIGHT offers low-bandwidth and low-latency video streaming in appropriate form for the operation scenes.



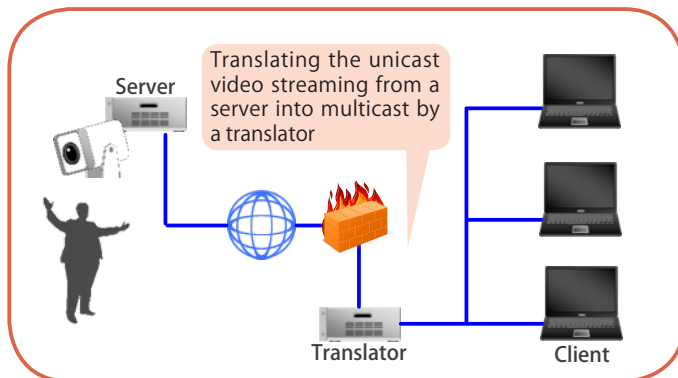
SUNLIGHT

System Examples

Example 1: Real-time remote control of vehicles



Example 2: Point-to-multipoint remote communication

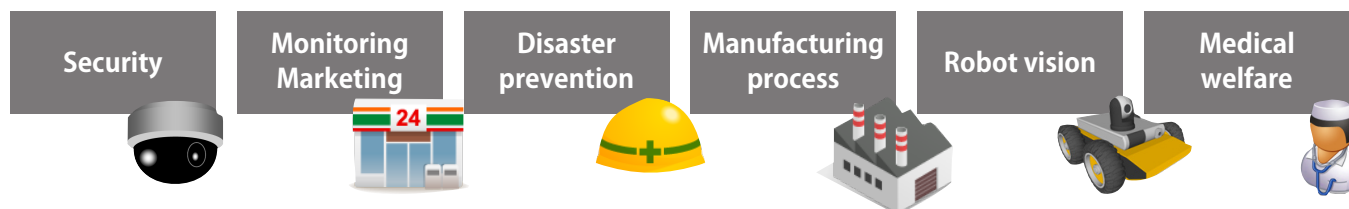


Specifications

Codec	VC-1 Advanced Profile
Resolution	QVGA ~ HD (1080p)
Controlling protocol	RTSP over TCP (RTSP 2.0)
Streaming protocol	RTP over UDP (Unicast/Multicast)
Supported networks	IPv4, IPv6 Ethernet (100/1000BASE-T), IEEE 802.11a/b/g/n
System requirements	Microsoft® Windows® XP Professional SP3, Windows 7 Professional SP1, Windows 8 Professional, Windows Embedded Standard 2009, Windows Server 2003 R2 SP2, Windows Server 2008 R2 SP1

Applications

In a variety of field related to the videos, SUNLIGHT enables the real-time video delivery.



日本コントロールシステム(株)

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