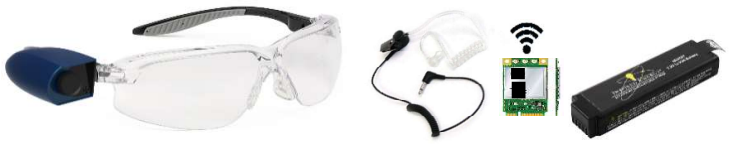
BlueEye for Telemaintenance

Benefits

- BlueEye enables tele-maintenance and troubleshooting by streaming live video from the site of faulty equipment to an expert
- Providing live help via oversight, diagnosis and management to the site of a problem saves on-site specialist costs, increases response time and enables more efficient work processes in any 'hot' situation.
- Wearable video camera mountable on safety glasses enables technical expert to see remotely and in real-time point of view streaming
- Belt mounted 4G or WIFI wearable module with long life battery for a long work shift on site

At A Glance

BlueEye can be used to help assess machines or equipment remotely, so technicians can get expert help to carry out troubleshooting, repair, or maintenance. A remote 'hotdesk' can provide support to a local general maintenance engineer. BlueEye is a wearable video technology for on-site technicians allowing them to get expert advice, by displaying the faulty equipment remotely using live wireless video. The benefits of this live, point of view video are cost savings and resource efficiency in situations requiring expert help.



Blue-Eye Wearable LTE/5G Wireless Video and Audio

Problem Definition

Operational costs and in particular, the cost of support, is an issue for any company who has equipment that needs maintenance or troubleshooting such as computers, routers, vehicles, manufacturing equipment etc. With the BlueEye wireless video connection, an on-site general technician can show the problem to a specialist at a data centre or 'hotdesk' and get immediate expert advice. Some examples of situations where BlueEye can allay costs by providing live video are:

1. Factories: expensive manufacturing equipment needing expensive expert resources on site in case of downtime.
2. Retail equipment: companies needing expert technicians in all equipment to attend vehicle breakdowns, machine breakdowns etc.
3. Energy/Construction: technicians on site needing expert advice in hazardous situations to provide maintenance and troubleshooting
4. Oil rigs: engineers on site needing expert advice in hazardous and isolated situations.

About RedZinc

RedZinc in conjunction with partners has assembled key technologies of a wearable computer/camera, 4G network access and end to end priority mechanism for video traffic.

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RedZinc innovates in the technical, medical and public safety sector using wearable video technology as well as a software defined 5G network slicing solution. RedZinc have had a vision to provide quality of service capabilities over the public internet since 2004. See RedZinc website at www.redzinc.net

BlueEye for Telemaintenance

Command Centre

BlueEye Wireless Video Stream

Remote Site

On-site Telemaintenance

Features

- Simplex video and duplex audio enabling live remote video to be seen at the data centre
- Belt mounted wearable Intel Edison processor with 4G LTE wireless modem with high capacity battery
- Optimizes real time video for emergency services over LTE/4G/emerging 5G networks

Camera

- Safety Glasses Mounted
- 1/2.7-inch sensor size
- 1080p/720p HD Colour CMOS Image Diagonal 110 +/5 degree wide angle
- H.264 Codec
- Internal Microphone
- Up to 1080p @ 30 fps (depending on uplink bandwidth)

Processor

- Low Power Intel® Edison
- Dual core
- Wearable Processor

Measurement

- Dashboard with pre-call measurements, in-call measurements and optional GPS location information

LTE & Wireless

- 3GPP Release Baseline 9
- LTE FDD Category 4
- LTE Bands 1, 3, 5, 7, 8, 20 (Euro)
- American LTE Bands on Request
- 802.11abgn WiFi
- Dual SIM
- GPS option

Battery

- Replaceable Lithium Ion
- 49Watt Hour

Video & Audio Connectivity

- Live Streaming to Hot Desk or Hub
- Encrypted Video and Audio
- Simplex Video
- Duplex Audio

Indicators

- Power, Active,
- Camera, Connect
- Wireless, Notify

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