High Precision Tracking And Intelligent Monitoring For Factories

Optimize Logistics and Manufacturing

- Optimize Shelving (Storage Utilization)
- Higher Productivity
- Optimize Palletizing and Truck Loading

Monitoring Assembly Lines and Restricted Areas

- Safer Staff and Machinery Operations
- Commercial and Industrial Applications
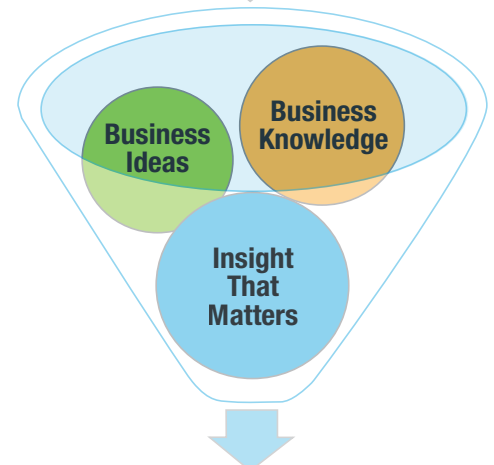
Additional Offerings from Hitachi:

- Real-Time Edge Analytics Libraries
- Integrated with Business Analytics Platforms
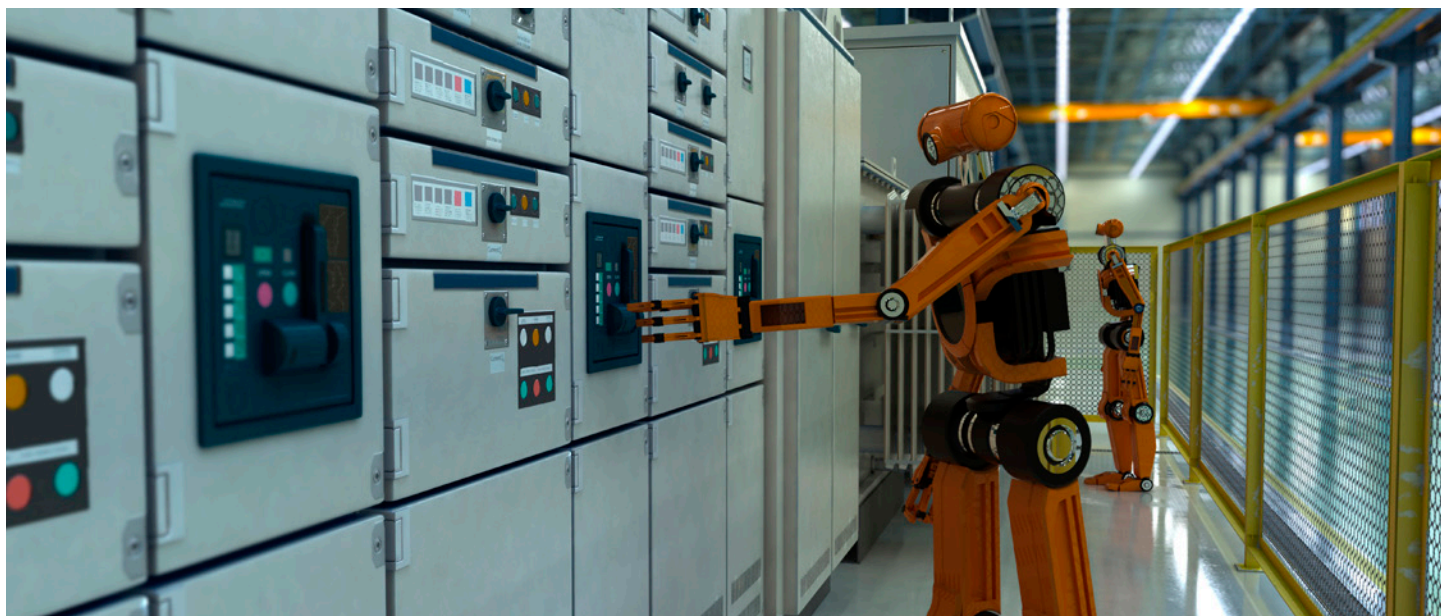- Professional Support for Customization

3D Intelligent Platform

Data Analytics

Business Ideas

Business Knowledge

Insight That Matters

New Values

Transforming Your Business With Insight That Matters

Monitoring for Factories

The sensor can detect when someone enters restricted or dangerous areas and sends alert information in real time to security personnel.

The sensor can detect abnormal movements against protocol which can prevent manufacturing defects or accidents and lead to increased productivity.

Used in connection with ID cards, the sensor can detect when someone without an ID card follows someone with a card and alert security personnel, eliminating "tailgating" by unauthorized persons.

3D-LiDAR (ToF)
Motion Sensor Platform

The Hitachi 3D ToF Motion Sensor Platform calculates movement and provides data in real time using infrared beam technology. The measurement is based on the time it takes light to travel to the object and back to the sensor, or the "time of flight" (ToF).

Various edge analytics libraries are available for evaluation and customization.

Specifications	
Sensing Distance	2.3 ft. ~ 32.8 ft. (0.7 ~ 10 m)
FOV	H76° x V60°
Pixel Resolution	640 x 480 (10 ~ 30 fps) Transfer data can be set to downsizing
Distance Resolution	X,Y:6 mm, Z:8 mm @ 2 m
Lighting	Infrared IR LD
Size	5.4" x 2.7" x 2.7" 138 x 69 x 69 mm (Excluding projecting parts)
Weight	540 g (Excluding cable)
Interface	Ethernet 100 base-TX (Power is provided by POE+)
Illumination Condition	Under 10,000 Lux (Indoor @ daytime)
Temperature & Humidity Condition	0~45°C (Operable at 50°C) 0~95% (Non-condensing)
Laser Class	Laser class 1
Power Consumption	15W

Commercial and Industrial Applications
Robot Operating System (ROS) driver is available

Europe, Middle East and Africa

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