



BPS SMART SOLUTIONS

FOR A CONNECTED FUTURE

 FTTX | SMART RACK | AI BOX | ZYTA PLATFORM |



APP-ZYTA

AI Box & AI-powered Cameras



Milestones

2005

KITTING BOX

Construction Projects
More Than 30,000 units/year

2016

SMART HOME

Village and Community Projects

2023

FIBER OPTIC TO THE X

Village- Condominium and Community Projects

2024

FIRST TRADE MAI

BPS Technology Public Company Limited
First day of trading on April 3, 2024, under the
Stock Exchange of Thailand (MAI)

2025

KITTING BOX MODULAR HOME

Hotel-Resort and Village Modular Home
Kitting Box System "Just in Time"

2026

VITHI LONGEVITY SOLUTIONS

Hotel-Resort and Village Modular Home

2027

ZYTA SMART AI SOLUTIONS

FTTX | Smart Rack | AI BOX | ZYTA Platform

About Us?

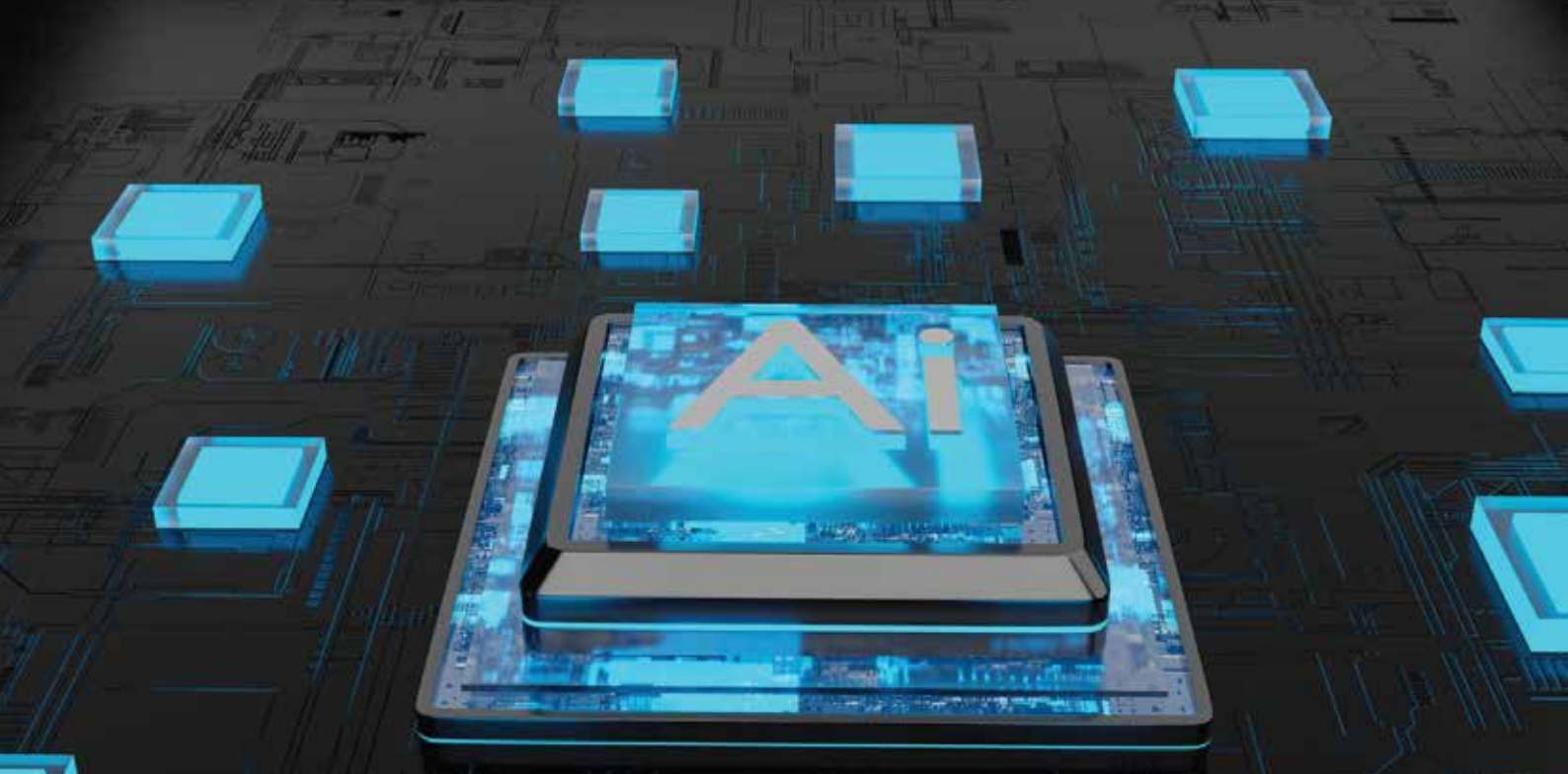
BPS Technology Public Company Limited

BPS distributes electrical equipment and smart connected technology products, covering installations for more than 5,000 projects nationwide. Our solutions include AI Smart Solutions, IoT, and technology infrastructure services such as AI Edge Computing and AI-Powered Surveillance to support future applications.

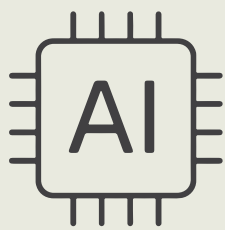
We focus on developing solutions that connect devices and sensors to create safer environments and enable systems to work together with maximum efficiency. Key solutions include :

- Smart Infrastructure: Intelligent infrastructure that connects all systems for efficient operation.
- AI Box & AI-powered Cameras: AI-based image detection and analysis from cameras for real-time monitoring and tracking.
- FTTx : Fiber optic technology supporting high-speed internet connectivity for the future.
- Smart Rack : An integrated system for organizing & managing devices efficiently, enabling seamless technology connectivity.





BPS- ZYTA AI



ZYTA AI Box is an AI Edge Computing solution designed to connect with CCTV cameras and IoT devices for real-time data processing and analysis.

The system supports AI event detection such as crowd density analysis, fall detection, intrusion detection, and PPE safety monitoring. Managed through a centralized Cloud Dashboard, it helps monitor device status, reduce downtime, and improve the efficiency of integrated surveillance systems.

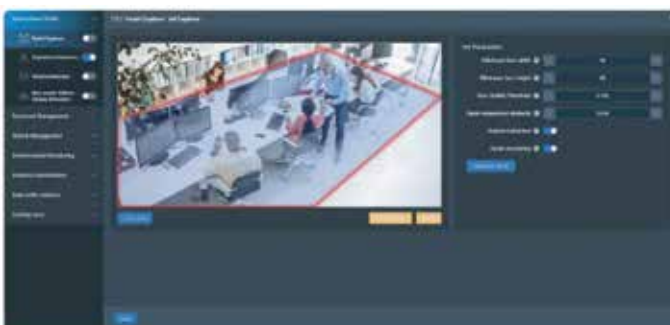
AI Edge Cloud Server Operation & Maintenance

AI Cloud Server enables centralized management of AI Box devices and monitors over 1,000 cameras simultaneously. It provides efficient O&M management, real-time status tracking, and proactive device health monitoring to ensure optimal performance and reduce downtime across large-scale surveillance networks.



AI Algorithms Support and Empowerment

Advanced AI detection and analysis capabilities support various operating conditions and applications. Customizable AI algorithms are designed to meet different scenario requirements and can be adapted for smart transportation, smart construction, smart campus, and other complex environments.

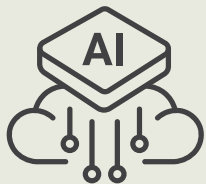


AI EDGE COMPUTING PLATFORM SOLUTION

Smart, Real-time
AI Analytics at the Edge



ZYTA AI Edge Computing Platform



ZYTA AI Edge Computing Platform is an intelligent solution for real-time analytics and smart security management. The platform integrates CCTV cameras, IoT sensors, and AI Box systems for efficient data processing and monitoring.

Customizable AI algorithms are designed for 8 key industries including Smart City, Smart Factory, and Smart Transportation. It enhances safety, reduces downtime, and provides scalable infrastructure for future-ready operations.

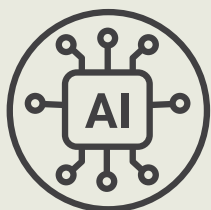
8 INDUSTRIES. 1 AI EDGE PLATFORM.

Tailored Solutions with Customizable AI Algorithms

Our AI Edge Computing platform is specially designed for 8 key industries. Each solution is powered by AI algorithms that can be customized to meet your unique operational needs.



01 SMART CONSTRUCTION Intelligent Construction Site Ensure safety on construction sites with real-time monitoring of people, equipment, and materials to prevent accidents and unauthorized access. Helmet Detection Vest Detection Intrusion Fall Detection	02 SMART CAMPUS Intelligent Campus Enhance safety in universities and schools by detecting intrusions, monitoring unusual behavior, and ensuring a secure learning environment. Loitering Face Recognition Intrusion	03 SMART MALL Intelligent Retail Improve customer experience and store operations with people counting, crowd analysis, and intrusion detection for better business insights. Crowd Detection Traffic Counting Intrusion	04 SMART MINING Intelligent Mining Site Monitor personnel safety and equipment operations in hazardous areas to reduce risks and improve productivity. Uniform Helmet Smoke / Fire
05 SMART TRANSPORTATION Intelligent Transportation Optimize traffic management and road safety with real-time monitoring of vehicles, congestion, and traffic violations. License Plate Traffic Congestion Reverse Driving	06 SMART FACTORY Intelligent Manufacturing Prevent accidents and ensure compliance with AI detection of safety gear, smoking, mobile phone usage, and drowsiness. No Helmet Smoking Mobile Phone Sleep Detection	07 SMART CITY Intelligent City Enhance urban management with AI for waste management, illegal parking, and banner detection to create a smarter and safer city. Garbage Pile Illegal Parking Banner Detection	08 SMART PARK Intelligent Park Manage parks efficiently with monitoring of vehicles, license plates, pedestrians, and restricted areas for better security and operations. Vehicle Capture License Plate Pedestrian



ZYTA AI Box

The platform supports multiple devices and customizable AI algorithms for advanced security monitoring and event detection.

Centralized Cloud Dashboard management improves operational efficiency, reduces downtime, and supports future scalability.

Ideal for Smart City, Smart Factory, Smart Transportation, and intelligent infrastructure projects.

ZYTA AI Box is an AI Edge Computing platform

That transforms existing CCTV systems and devices into intelligent real-time analytics solutions.



Artificial Intelligence Ai

AI Algorithm List

Supported AI Algorithms

Powerful AI Algorithms



Proven AI algorithms successfully deployed in over 10,000 projects worldwide. The platform covers 4 major categories: Target Analytics, Human Behavior, Vehicle Behavior, and Environmental Monitoring, with customizable AI algorithms tailored to each project's requirements.

- 04- Target Analytics
- 14- Human Behavior
- 15- Vehicle Behavior
- 09- Environmental Monitoring

42⁺ Algorithms Covering Multiple Use Cases



Target Analytics

1. Face Capture
2. Pedestrian Capture
3. Vehicle Capture
4. Motorbike Capture



Human Behavior

1. Face Recognition
2. Uniform Recognition
3. Loitering Detection
4. Intrusion Detection
5. Crowd Gathering Detection
6. Fall Detection
7. Smoking Detection
8. Absenteeism Detection
9. Sleeping on Duty Detection
10. Mobile Phone Detection
11. No Mask Detection
12. No Helmet Detection
13. No Reflective Vest Detection
14. Pedestrian Traffic Statistic



Vehicle Behavior

1. Electric Bike in Elevator
2. Illegal Parking Detection
3. Illegal Parking – Shared Bike
4. Illegal Parking – Motorbike
5. Vehicle Intrusion Detection
6. Riding Intrusion Detection
7. Vehicle Reverse Driving
8. Motorbike Reverse Driving
9. Traffic Congestion Detection
10. Large Vehicle Detection
11. No Helmet – Electric Bike
12. License Plate Recognition
13. Motorbike Passenger Detection
14. Delivery Rider Detection
15. Vehicle Traffic Statistics



Environmental Monitoring

1. Garbage Pile Detection
2. Overflowing Trash Bin
3. Smoke Detection
4. Open Fire Detection
5. Illegal Banner Detection
6. Door & Window Status
7. Flammable Material Accumulated
8. Fire Escape Obstruction
9. Fire Extinguisher Displacement



ZATA SOLUTIONS
OPERATION 360



บ้านพักอาศัย



BPS- FIBER (FTTH)



BPS-FIBER provides Fiber to the Home (FTTH) solutions for high-speed, stable internet connectivity designed to support heavy usage throughout the entire home. The system features full-area Wi-Fi coverage to eliminate dead zones and supports multiple devices simultaneously with smooth performance. Separate Home / Guest / IoT networks enhance user security and privacy. Integrated monitoring through the ZYTA application enables real-time status tracking, instant alerts, and faster troubleshooting support.



ZYTA SMART SOLUTIONS



ZYTA SMART SOLUTIONS

- One Platform: Centralized integration of key project systems into a single platform
- 24/7 Monitoring: Real-time alerts with log and report review capabilities
- CCTV & Security Monitoring: Access Control & Gate Entrance management with entry/exit logging
- SOS & Emergency Response: Real-time emergency alert notification system
- Air Quality: Air quality and system status monitoring
- Water Drinking System: Filter replacement and maintenance alert system
- Health Monitoring / Caregiver: Health monitoring and caregiver support system

Network Infrastructure

- Visitor Management
- Gate Barrier
- smart Pole /SOS Box
- waste water treatment
- security system
- AI Camera/ CCTV



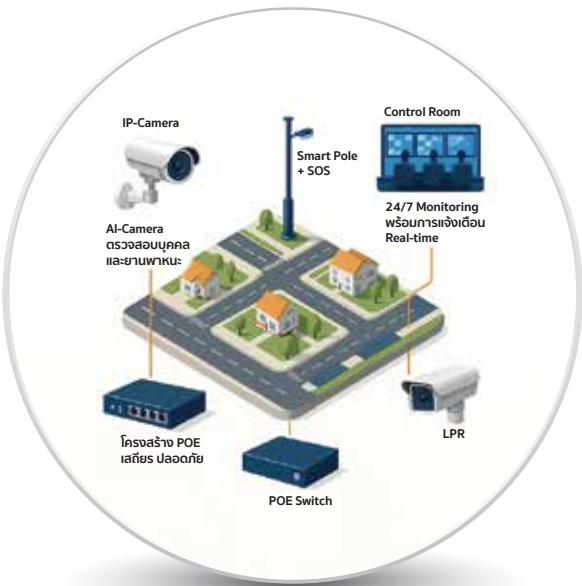
ZYTA MONITORING

24/7 MONITORING



ZYTA 24/7 Monitoring is a centralized monitoring platform designed for projects and facilities, covering CCTV, Access Control, Gate Entrance, SOS systems, Air Quality Monitoring (ERV System), and water filtration replacement alerts. The system provides real-time notifications, status reporting, and historical log reviews to support efficient management for residential projects, factories, and facilities requiring advanced monitoring solutions.

• Smart Security System for Residential Projects



IIoT GATEWAY & CLOUD

Connect Data. Control Performance

IIoT GATEWAY & CLOUD



IIoT Gateway & Cloud IIoT Gateway & Cloud is a system that collects data from devices and sensors through a gateway, then sends it to the cloud for real-time dashboard visualization. It includes alarm notifications and reporting functions to support faster decision-making, reduce downtime, and improve operational efficiency.



Monitoring Display

Real-time CCTV monitoring display
Supports MATV / TV visualization systems



MATV / IPTV System

Centralized TV signal distribution system
for projects
Supports nationwide TV channel
broadcasting



NVR & CCTV

Centralized storage and management
for all cameras
AI Camera supports abnormal event
detection



Internet & Network System

Load Balancer for multiple internet
providers
Firewall for enhanced network security
High-speed internet distribution supporting
Gigabit / 10G



UPS & Power Backup

Backup power supply for monitoring
equipment
Protects against power surges and outages

SMART RACK

- Organizes the network system inside buildings, industrial facilities, hotels, or offices in a structured way to support all applications.
- Stores devices and signal cables neatly inside the Smart Rack for easy maintenance.
- Ready to support future expansion for camera, audio, and smart systems.
- Every generation can be seamlessly connected to entertainment and communication systems.



DIGITAL CONTENT

Virtual Insight. Real Operations

MATV, IP-TV SYSTEM



MATV

A centralized TV signal distribution system designed for hotels and residential projects, allowing every room to receive clear and stable TV channels. The system supports centralized channel management and helps reduce maintenance costs.

IPTV

An internet-based TV distribution system within buildings, enabling users to access TV channels and high-quality digital content through the network infrastructure.



Energy Recovery Ventilation System

ZYTA Monitoring supports real-time system status and air quality tracking, fully integrated with the ERV system for efficient indoor air management. The system brings fresh outdoor air into the building while exchanging heat and humidity, and helps filter PM2.5 dust and airborne pollutants to create a cleaner, fresher, and healthier indoor environment.



Smart Water Monitoring Solution

Supports Smart Monitoring for real-time water quality tracking together with 14-in-1 Water Test Strips. The Ultra Filtration (UF) system filters particles down to 0.01 micron, making water quality monitoring simple and reliable for safer everyday use.



ZYTA

BPS SMART SOLUTIONS
FOR A CONNECTED FUTURE



BPS TECHNOLOGY PUBLIC COMPANY LIMITED
บริษัท บีพีเอส เทคโนโลยี จำกัด (มหาชน)



BPS-LINE OFFICIAL



BPS-WEB OFFICIAL