



Caliber Interconnect Solutions®

— design for perfection —



KEN—VSSS - Video Surveillance Security Solution

AI-based Real-time analytics
Video anomaly detection software solution



KEN - VSS

We offer a smart, Instant AI-powered video surveillance software/hardware packaged solution, called **KEN-VSSS**, for small, medium, and large installations. Our technology uses the most advanced machine learning algorithms, identifies critical, dangerous events, and instantly alerts designated officials for swiftly responding to potential threats to people and properties. **KEN-VSSS** can feasibly be integrated with existing or new surveillance IP camera and encoder.

Our patented AI technology makes the system intuitive to incidents captured in cameras to eliminate human errata. The vision-processing employs algorithms that assess images and extract only relevant data, run important inspections, and make decisions. The AI can identify any activities and actions that are hazardous, unusual or suspicious activities or any untoward incidents such as fires, fights etc. The AI uses a proprietary AI methodology to identify and alert concerned individuals to provide both reactive and proactive solutions.

"The product learns what you care about, and your user patterns, getting smarter over time, and continuously improving its daily alerts."





KEN - VSSS SURVEILLANCE HARDWARE SOLUTIONS

- Our surveillance solution is based on AI and deep learning.
- The developed hardware will have features such as color correction, sharpness correction, and crop and zoom features.
- New cameras can be deployed using both wired and wireless IoT devices, such as sensors.
- The new hardware can also help in achieving high accuracy in anomaly detection, high-resolution videos will be recorded and analyzed.
- Real-time analysis such as face and gait (biometric monitoring) recognition is possible using a combination of software and hardware.

KEN - VSSS UNIQUE FEATURES

- Customizable and industry-specific
- KEN—VSSS functions well with any camera, irrespective of its brand and make
- Local on-premises deployment model or on-cloud deployment as per client requirements
- KEN—VSSS considers weather as a varying parameter
- Data security and confidentiality



KEN - VSSS ADVANTAGES

- KEN—VSSS can equip current systems with AI technology.
- KEN—VSSS will use an additional login for the AI while ensuring that the existing systems are not disconnected
- KEN—VSSS can work with each camera individually or with a combination of cameras, i.e., our AI technology can be incorporated in existing wired cameras as well as wireless cameras, irrespective of their brand and model.
- KEN—VSSS can enable auto-escalation based on the criticality of the situation.
- KEN—VSSS is self-learning, i.e., it will learn and improve on itself with time.
- The proprietary KEN—VSSS focuses on scaling up solutions.
- This means our software has provisions to add devices as required

EVENTS THAT CAN BE CAPTURED AND ALERTED

- Crowd analysis and people counting
- Detects weapons, such as guns, rifles, and knives
- Detects fires, smoke, and animals
- Intrusions and break-ins at ticket counters and storage rooms
- Identifies suspicious items and articles
- Person of interest alert system (e.g., robbers and criminals can be automatically identified.)
- Identifies and tags protagonists
- Automatic object tracking across multiple cameras
- Reduction of operator workload with AI-based assistance systems
- Unattended object identification for suspicious objects
- Detects aggressive behavior (e.g., fights)
- Line crossing (detects a moving object that crosses a defined line)
- Intrusion detection (provides automated perimeter monitoring and secure area protection)
- Any other industry-specific requirement can be easily customized.

“ CONVERT YOUR CCTV INTO A SMART ALERT SYSTEM ”





ABOUT US

Caliber Interconnect Solutions Pvt Ltd is a product engineering solutions company with a proven track record of offering technological solutions to diverse industries, such as semiconductors, automobiles, avionics, railways, and medicine through AI-based embedded technologies. The company was founded in 2000 and has offices at Singapore, USA, Japan, and Israel, with a combined workforce of over 500 engineers.

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