

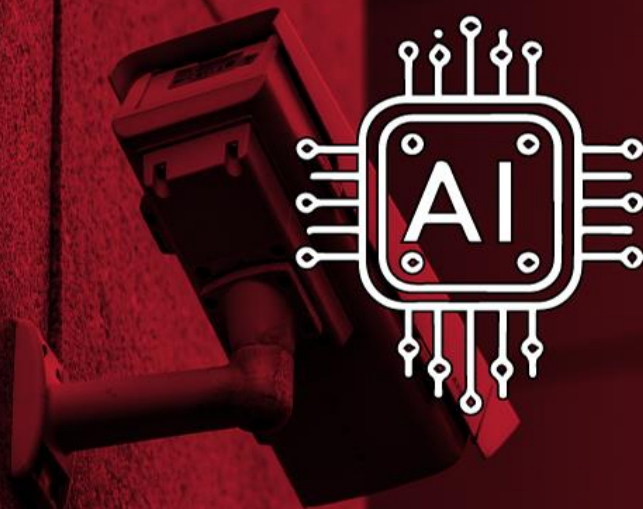
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the missing piece of CCTV

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**"SEE WHAT THE
CAMERA SAW"**

THE FOOTAGE WHISPERER



**'BETTER' AI VIA DAILY AUDITS
NO MORE DATA WALL**

100+ TOPICS - AIRPORTS TO ZOOS

GAUTAM D. GORADIA



THE POWER OF
COM-SUR'S DAILY
CCTV VIDEO FOOTAGE
AUDITING CHART

WELCOME



THE POWER OF COM-SUR'S DAILY CCTV
VIDEO FOOTAGE AUDITING CHART

PREAMBLE

The sheer volume of video data generated by surveillance systems is immense, and without a structured approach to review and document, valuable information often gets lost. An unstandardized review and documentation process makes it difficult to extract insights, identify recurring issues, and respond proactively.

The COM-SUR Daily CCTV Video Footage Auditing Chart created in MS Excel addresses this challenge by offering a standardized, systematic way to log and categorize incidents across a variety of settings.

GAINING BUSINESS INTELLIGENCE (BI)

Surveillance footage is a rich source of business intelligence. The COM-SUR chart transforms raw footage into actionable insights that can inform decision-making across the organization. By identifying recurring patterns, understanding peak times for certain types of incidents, or spotting inefficiencies in layout and operations, businesses can leverage CCTV data to drive strategic improvements.

VALUE IN AI

COM-SUR's Daily CCTV Video Footage Auditing Chart is more than a tool for human users—it's a valuable asset for AI systems. Regular, structured feedback provided through these charts enhances AI algorithms through Explainable AI (XAI) and Reinforcement Learning from Human Feedback (RLHF). This approach facilitates continuous improvement of AI models in several ways:

- Explainable AI (XAI): The standardized data allows AI models to learn from clearly documented incidents. When human input is consistently formatted, the AI can understand the "why" behind classifications and decisions, making its actions more transparent and explainable.

- Reinforcement Learning from Human Feedback (RLHF): By analysing incident data provided by human reviewers, AI systems can adjust their detection criteria to better match real-world conditions. Regular updates from the COM-SUR chart enable AI models to learn not only the expected threats but also the unexpected, helping them to generalize and improve over time.
- Identifying New Issues: With continuous data input, AI models gain exposure to emerging patterns and new types of incidents, enhancing their ability to detect and alert on previously unknown issues. This adaptability ensures that the system evolves with changing security needs.

DOCUMENT EASILY

The COM-SUR chart's intuitive layout in MS Excel simplifies the documentation process. Staff can quickly log the date, camera location, incident type, severity level, status, and any remarks or actions taken. This quick-entry format allows team members to capture crucial details without getting bogged down in complexity, making it feasible for staff of all levels to participate in daily auditing.

THE VARIOUS FIELDS IN COM-SUR'S CHART

The chart is designed to be both comprehensive and user-friendly, capturing key details for each incident:

- Date: When the incident occurred.
- Camera Location and Description: Identifies the exact location and context for each camera, aiding in pattern recognition and future incident prevention.
- Time Slot: Indicates the period during which the incident occurred, helping to

identify high-risk times for specific issues.

- Incident Type: Categorizes the type of incident, ranging from suspicious behavior and theft to safety hazards or compliance issues.
- Human/AI: Indicates whether the incident was identified and flagged by a human observer or an AI system. This distinction helps track the efficiency and accuracy of automated systems versus human intervention, allowing for continuous improvement in surveillance monitoring.
- Severity Level: Classifies the severity to help prioritize responses and allocate resources effectively.
- Status: Represents the current state of the incident's resolution process. It includes the entries 'Open' and 'Resolved' thereby ensuring that the incident's follow-up and closure are systematically tracked for accountability and timely action.
- Remarks/Action: Provides space for additional context or steps taken, ensuring that all necessary actions are documented for future review.

Each of these fields contributes to a complete, actionable record, allowing organizations to build a database of incidents that can be analysed over time for predictive insights and performance improvement.

SAMPLE CHART

Please see next page.

COM-SUR'S DAILY CCTV VIDEO FOOTAGE AUDITING CHART

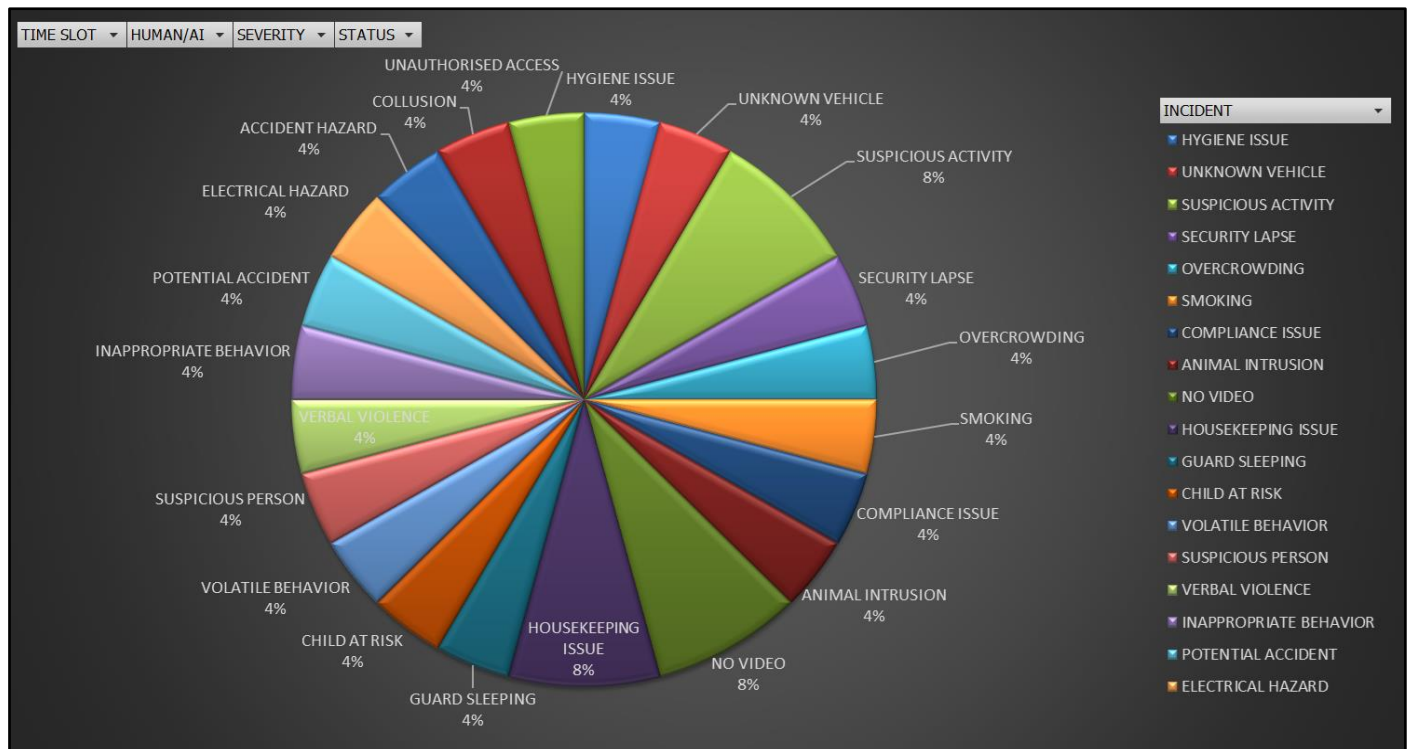
COM-SUR DAILY CCTV VIDEO FOOTAGE AUDITING CHART

NOTE: ALL DATA USED HERE IS DUMMY DATA AND IS FOR THE PURPOSE OF REPRESENTATION ONLY

ORGANIZATION: ENTER DETAILS
 LOCATION/ADDRESS: ENTER DETAILS
 YEAR: ENTER DETAILS AUDITOR'S NAME: ENTER DETAILS
 OTHER: ENTER DETAILS

DATE (DD-MM-YYYY)	CAMERA NO. & DESCRIPTION	TIME SLOT	INCIDENT	HUMAN/AI	SEVERITY	STATUS	REMARKS/ACTION
DD-MM-YYYY	1-2 MAIN GATE/ENTRANCE	8 AM TO 4 PM	SUSPICIOUS PERSON	AI	4 - HIGH	OPEN	GUARDS HAVE BEEN TOLD TO BE ON THE LOOKOUT AND ADD TO VISUAL LIST
DD-MM-YYYY	3-4 LOBBY/RECEPTION AREA	8 AM TO 4 PM	VOLATILE BEHAVIOR	HUMAN	4 - HIGH	RESOLVED	THIS COULD LEAD TO A FIGHT. CONCERNED PEOPLE MUST BE WARNED.
DD-MM-YYYY	5-8 CORRIDOR	8 AM TO 4 PM	VERBAL VIOLENCE	HUMAN	2 - LOW	RESOLVED	CONCERNED PEOPLE MUST BE WARNED
DD-MM-YYYY	9-18 WORK/OFFICE AREA	8 AM TO 4 PM	INAPPROPRIATE BEHAVIOR	HUMAN	3 - MEDIUM	RESOLVED	INAPPROPRIATE BEHAVIOR OBSERVED WITH FEMALE STAFF
DD-MM-YYYY	19-20 ELEVATOR	8 AM TO 4 PM	CHILD AT RISK	HUMAN	3 - MEDIUM	OPEN	CHILD SEEMS UNCOMFORTABLE WITH AN ADULT. CONCERNED STAFF MUST BE ALERTED.
DD-MM-YYYY	21-25 CANTEEN/PANTRY	8 AM TO 4 PM	HYGIENE ISSUE	AI	5 - CRITICAL	RESOLVED	COCKROACHES AND OTHER PESTS OBSERVED. CORRECTIVE ACTION TO BE TAKEN.
DD-MM-YYYY	26-30 STORAGE AREA	8 AM TO 4 PM	SUSPICIOUS ACTIVITY	AI	4 - HIGH	OPEN	STAFF SEEN LOITERING IN A SUSPICIOUS MANNER
DD-MM-YYYY	31-35 PARKING AREA	8 AM TO 4 PM	UNKNOWN VEHICLE	AI	3 - MEDIUM	OPEN	THIS VEHICLE HAS BEEN SEEN OFTEN TODAY. IT COULD BE CONDUCTING A RECCE
DD-MM-YYYY	1-2 MAIN GATE/ENTRANCE	4 PM TO 12 PM	SECURITY LAPSE	HUMAN	5 - CRITICAL	RESOLVED	BOTH GUARDS WERE BUSY ON THEIR MOBILE PHONES
DD-MM-YYYY	3-4 LOBBY/RECEPTION AREA	4 PM TO 12 PM	OVERCROWDING	AI	4 - HIGH	RESOLVED	THIS HAS BEEN BEING OBSERVED SEVERAL TIMES TODAY AND COULD LEAD TO A STAMPEDE
DD-MM-YYYY	5-8 CORRIDOR	4 PM TO 12 PM	COLLUSION	AI	5 - MEDIUM	OPEN	PEOPLE SEEN COLLUDING AT THIS TIME FOR SEVERAL DAYS. CONCERNED STAFF NEED TO BE ALERTED.
DD-MM-YYYY	9-18 WORK/OFFICE AREA	4 PM TO 12 PM	COMPLIANCE ISSUE	HUMAN	4 - HIGH	RESOLVED	STAFF DID NOT FOLLOW GUIDELINES WHILE PERFORMING THEIR ACTIVITIES. NEED TO BE WARNED.
DD-MM-YYYY	19-20 ELEVATOR	4 PM TO 12 PM	SUSPICIOUS ACTIVITY	AI	4 - HIGH	OPEN	VISITOR SEEN CARRYING A SUSPICIOUS PACKAGE. GUARDS TOLD TO REMAIN ALERT
DD-MM-YYYY	21-25 CANTEEN/PANTRY	4 PM TO 12 PM	NO VIDEO	HUMAN	1 - INFORMATIONAL	RESOLVED	THIS IS BEING OBSERVED FOR THE PAST 2 DAYS DURING THIS TIME. COULD BE AN INSIDER JOB
DD-MM-YYYY	26-30 STORAGE AREA	4 PM TO 12 PM	SMOKING	AI	5 - CRITICAL	RESOLVED	THIS MAY CAUSE A FIRE SINCE SEVERAL FLAMMABLE ITEMS ARE KEPT. STAFF NEED TO BE WARNED.
DD-MM-YYYY	31-35 PARKING AREA	4 PM TO 12 PM	POTENTIAL ACCIDENT	HUMAN	5 - CRITICAL	RESOLVED	VEHICLE PARKED IMPROPERLY, COULD LEAD TO AN ACCIDENT. CORRECTIVE ACTION TO BE TAKEN.
DD-MM-YYYY	1-2 MAIN GATE/ENTRANCE	12 PM TO 8 AM	ANIMAL INTRUSION	AI	5 - CRITICAL	OPEN	WILD ANIMAL SEEN ROAMING AROUND, GUARDS TOLD TO REMAIN ALERT

CHART – SORT BY TIME, HUMAN/AI, SEVERITY LEVEL, STATUS AND INCIDENT



CUSTOM CHARTS FOR BUSINESS VERTICALS:
FROM AIRPORTS TO ZOOS

Every business faces unique challenges, and the types of incidents likely to occur in an airport differ significantly from those in a zoo. COM-SUR addresses these differences by offering custom-tailored charts for a wide range of industries, from airports to zoos (A to Z). These specialized charts reflect the unique operational risks and needs of each vertical. The charts can be modified further to suit the user's requirements.

DAILY AUDITING AND DOCUMENTATION:
THE COM-SUR ADVANTAGE

Daily CCTV footage auditing is transformative for organizations. Instead of passively recording footage, businesses actively engage with their surveillance data, identifying trends, addressing vulnerabilities, and making informed decisions. COM-SUR's solution simplifies this daily practice, turning CCTV footage into a proactive, intelligent tool for enhancing operations and security. The daily use of these charts builds a foundation of structured, reliable data, creating a powerful resource for real-time decision-making and long-term analysis. Over time, as patterns emerge and the AI becomes increasingly refined, the organization benefits from an ever-evolving security strategy that adapts to new challenges and opportunities.

CREATING A VISUAL DRAGNET

The chart's transformative potential lies in its ability to act as a "Visual Dragnet" when adopted collectively:

- Individual Responsibility: Encourages every CCTV user to proactively audit footage daily.
- Data Consolidation: Aggregated data from multiple users creates a comprehensive

map of incidents across locations.

- Patterns and Trends: Identifies recurring issues and high-risk areas, enabling pre-emptive action.

For example, if every business and residential complex contributes structured data from their CCTV systems, law enforcement agencies can build a real-time database of incidents, paving the way for more informed and effective policing.

Read our detailed White Paper on Visual Dragnet and COM-SUR's impact from here:

https://comsur.biz/White_Paper_-_Visual_Dragnet_and_COM-SUR's_Impact.pdf

POWER BI AND WEB-BASED SOLUTION

Power BI Solution

For advanced users and organizations seeking dynamic insights, the Daily CCTV Video Footage Auditing Chart can be seamlessly translated into a Power BI dashboard. This approach enhances the capability of analysing surveillance data by providing:

- Real-Time Dashboards: Interactive visualizations of incidents categorized by type, severity, location, and time slot.
- Drill-Down Capabilities: Easily filter and analyse specific data points for actionable insights.
- Trend Analysis: Identify patterns in incidents over time to proactively address recurring challenges.
- Customization: Tailor dashboards to meet the unique needs of an organization, enabling strategic decision-making.

The Power BI solution empowers management with data-driven insights for faster and more effective responses, all while maintaining user-friendly interfaces for seamless adoption.

Web-based Solution

For enterprises and organizations that require centralized and scalable systems, the chart can evolve into a web-based solution, providing:

- **Browser Accessibility:** Operators can log incidents directly into a secure platform, accessible from any device.
- **Centralized Data Management:** All entries are stored securely on a server or cloud infrastructure, ensuring real-time updates and compliance with data policies.
- **Role-Based Access:** Operators, supervisors, and management can access the platform with permissions tailored to their responsibilities.
- **Real-Time Notifications:** Instant alerts for high-severity or unresolved incidents to ensure timely action.
- **Integration Capabilities:** Link with existing systems, such as Video Management Systems (VMS) or AI analytics tools, for a comprehensive surveillance solution.

This web-based approach is ideal for organizations seeking long-term scalability, enhanced collaboration, and streamlined workflows, enabling both operational efficiency and robust security management.

CONCLUSION

COM-SUR's Daily CCTV Video Footage Auditing Chart is a game-changer for organizations across sectors. By transforming surveillance footage into

a structured, actionable dataset, it empowers businesses to not only enhance their security but also gain insights that drive strategic improvement.

With customizable charts tailored to specific industries, an emphasis on explainable AI, and a seamless feedback loop through RLHF, COM-SUR offers a unique and powerful solution for modern businesses. From airports to zoos, COM-SUR enables organizations to harness the full potential of their CCTV systems, making daily auditing a cornerstone of security, intelligence, and operational excellence.