CERA: Causal Event Reasoning and Attribution for Real-time Surveillance

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Abstract. This clean draft starts from the core keyword **CERA** (**C**ausal **E**vent **R**easoning and **A**ttribution). We build the paper from first principles and add technical content incrementally.

Keywords: Causal Event Reasoning, Attribution, Surveillance, Efficient Inference

1 Introduction

TODO. Define problem, deployment setting, and why causal event reasoning is needed in real-time surveillance.

2 Method

TODO. Specify CERA components, notation, assumptions, and computational trade-offs.

3 Experiments

TODO. Define datasets, protocol, baselines, metrics, and statistical plan.

4 Conclusion

TODO. Summarize findings and next validation steps.

References