

Describe in detail what happened in the scene.

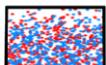
RGB-based VLM



The scene is **dark**, with only **a few distant lights** visible, including a **green traffic light** and some other indistinct lights that appear to be from vehicles or street lamps.

Limitations
Low dynamic range

Event-based VLM



The scene shows a street intersection with a **pedestrian crossing**. A person is crossing the street, and there are **traffic lights** and **road signs** indicating directions for vehicles

Limitations
No color/ texture

Our RGBE-VLM(RGB+Event)

The scene shows a car driving on a road **at night**, approaching an intersection. The **traffic light is green**, and there are **other vehicles** visible in the distance. **Two pedestrians** are crossing the road, and there are **street signs** and trees lining the sides of the road.

Advantage
HDR +RGB texture

R✓EXR+E✓

Green signal

RXE✓R+E✓

Pedestrians Crossing

RXE✓R+E✓

Vehicles ahead

R✓EXR+E✓

At Night

RXE✓R+E✓

Street Signs