```python
class EvDeHazeUNetModel(nn.Module):
    def __init__(self, ...):

    def forward(self, x, ...):
```

```python
def forward(self, x, timesteps, ...):
    ...
    if event is not None:
        print("event.shape: ", event.shape)
        # [B, 4, 6, H, W]
        event_feat = self.event_encoder(event)
        visualize_event_feature_heatmap(event_feat)
        h = self.event_cross_attn(h, event_feat) + h
    ...
```