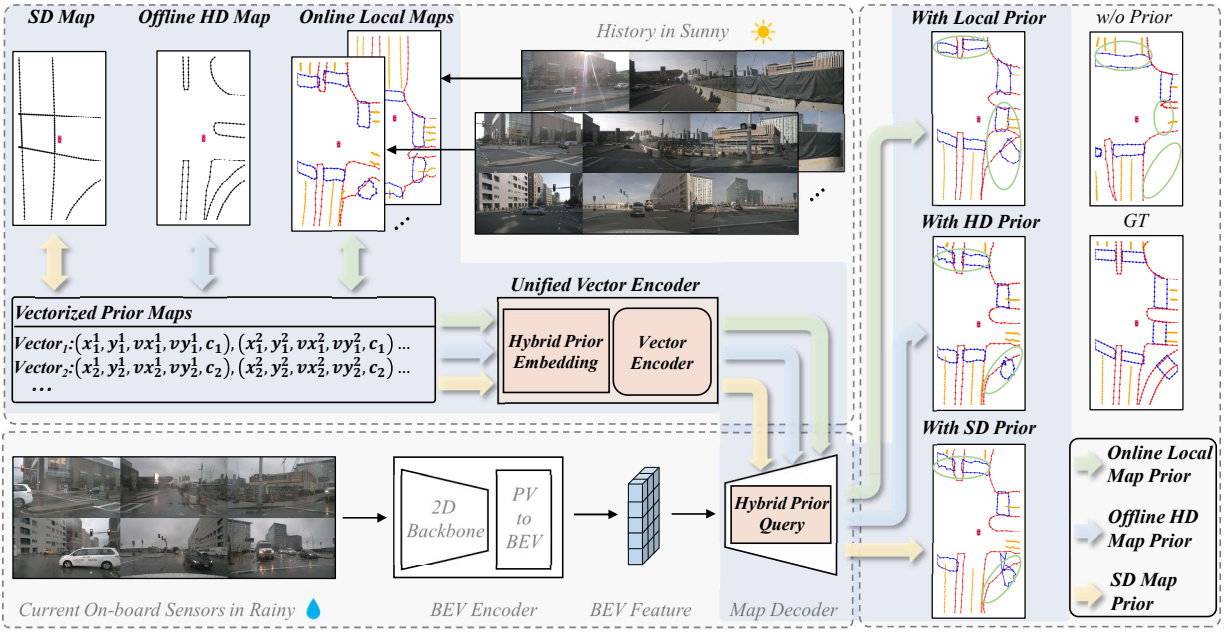
SD Map
Offline HD Map
Online Local Maps
History in Sunny
Vectorized Prior Maps
$Vector_1$:$(x_1^1, y_1^1, vx_1^1, vy_1^1, c_1), (x_1^2, y_1^2, vx_1^2, vy_1^2, c_1)$ ...
$Vector_2$:$(x_2^1, y_2^1, vx_2^1, vy_2^1, c_2), (x_2^2, y_2^2, vx_2^2, vy_2^2, c_2)$ ...
...
Unified Vector Encoder
Hybrid Prior Embedding
Vector Encoder
With Local Prior
w/o Prior
With HD Prior
GT
With SD Prior
Online Local Map Prior
Offline HD Map Prior
SD Map Prior
Current On-board Sensors in Rainy
2D Backbone
PV to BEV
BEV Encoder
BEV Feature
Hybrid Prior Query
Map Decoder