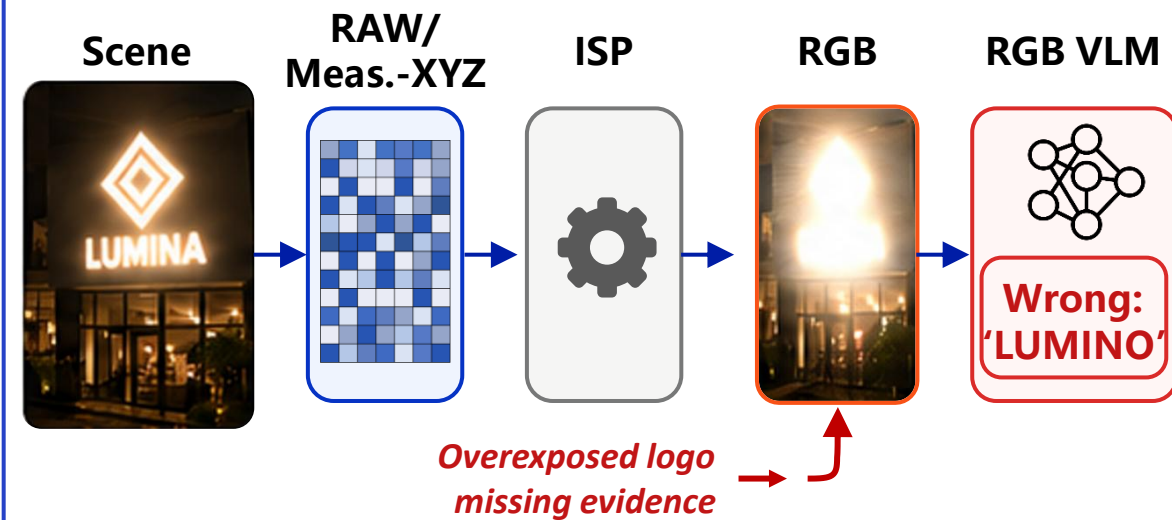


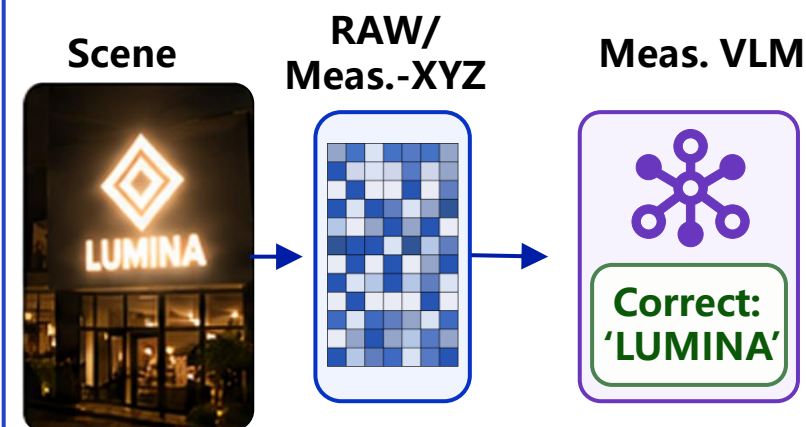
Measurement-Grounded Vision-Language Learning

A RGB Loses Evidence

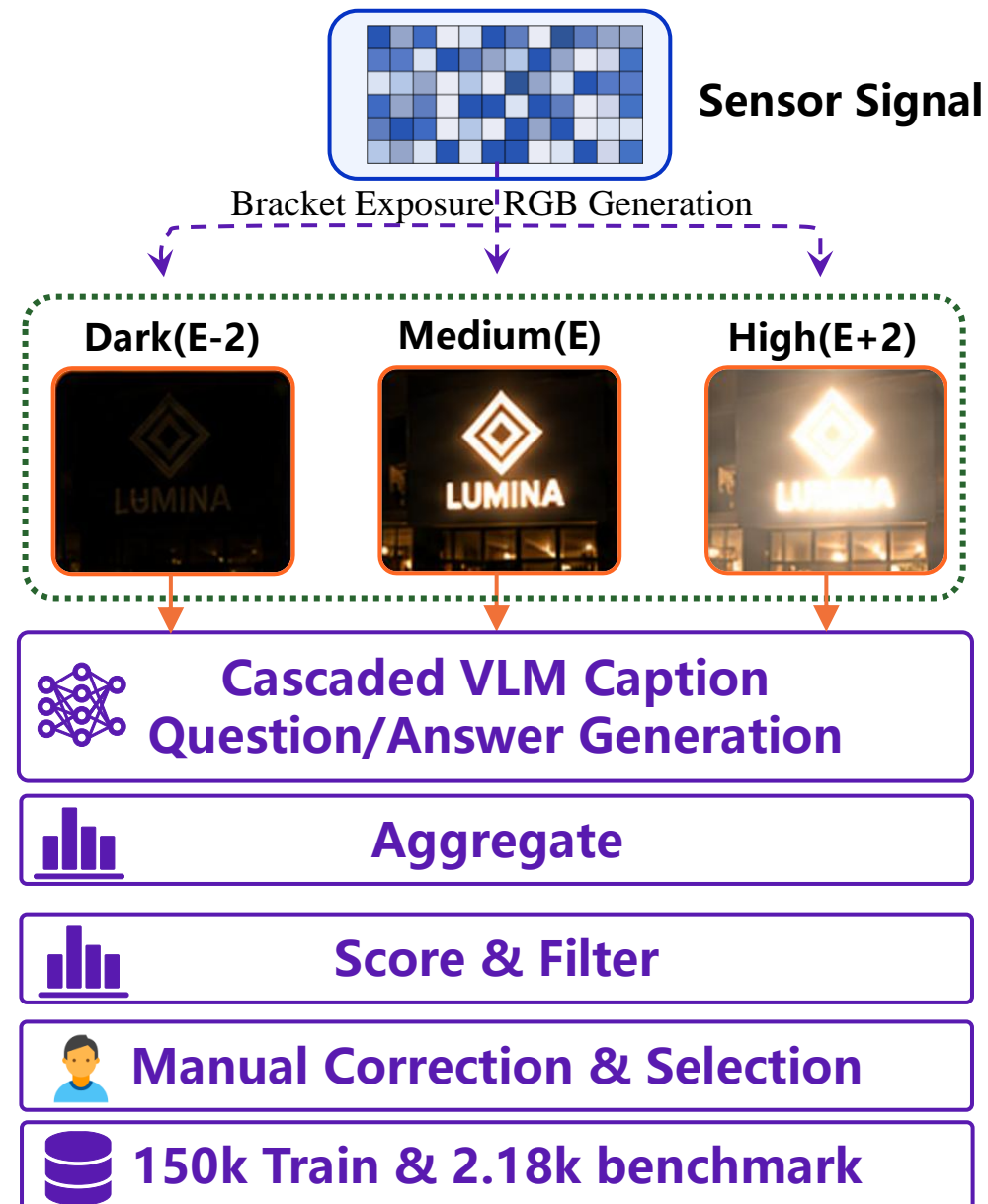
Scene → Meas. → ISP → RGB → VLM



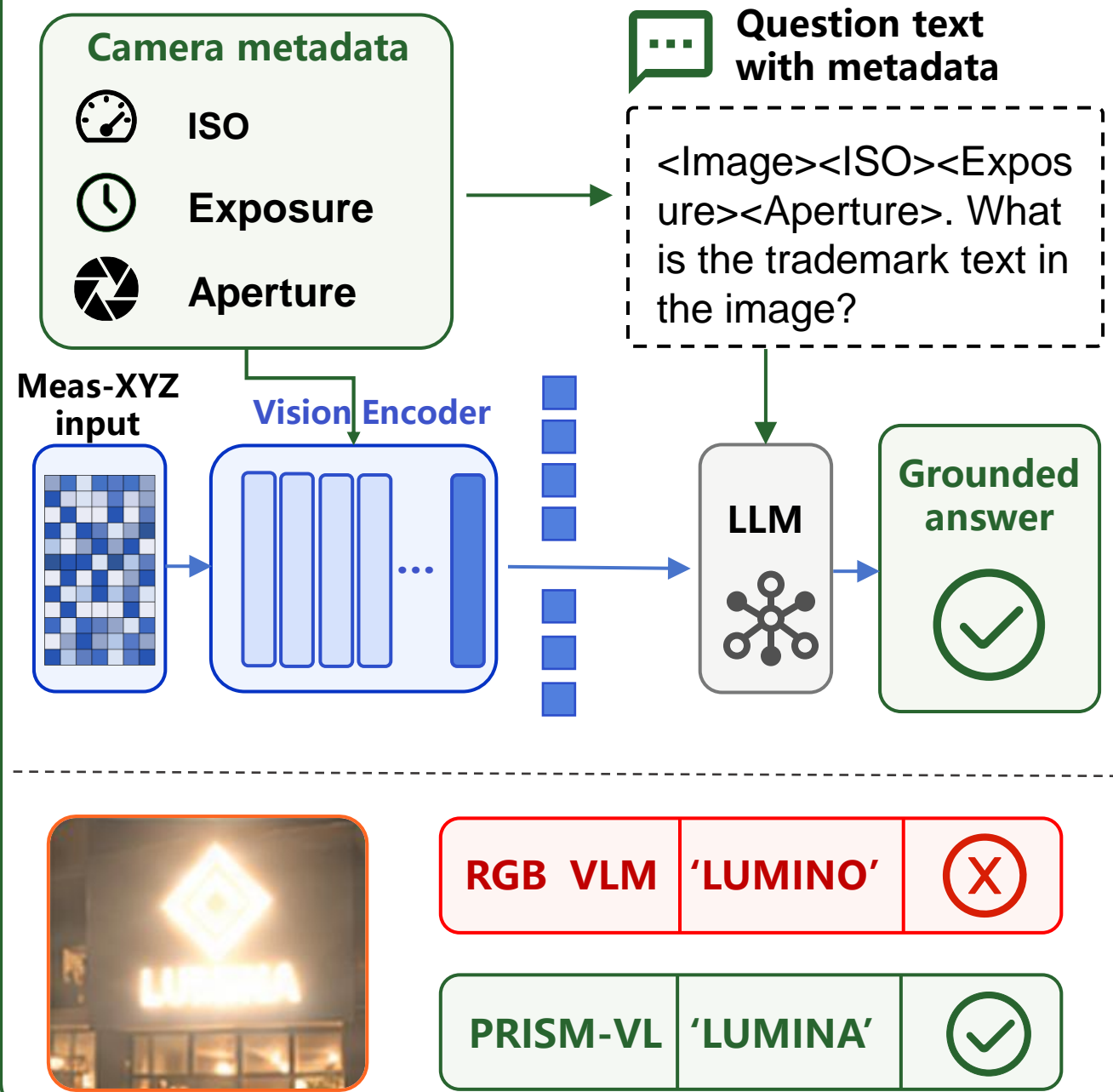
Scene → Meas. → VLM



B Bracket Exposure Supervision Aggregation



C Camera-Conditioned PRISM-VL



Measurement(RAW/Meas-XYZ)

ISP(processing)

RGB(appearance)

Supervision(training)

Metadata/Condition

Error(failure)