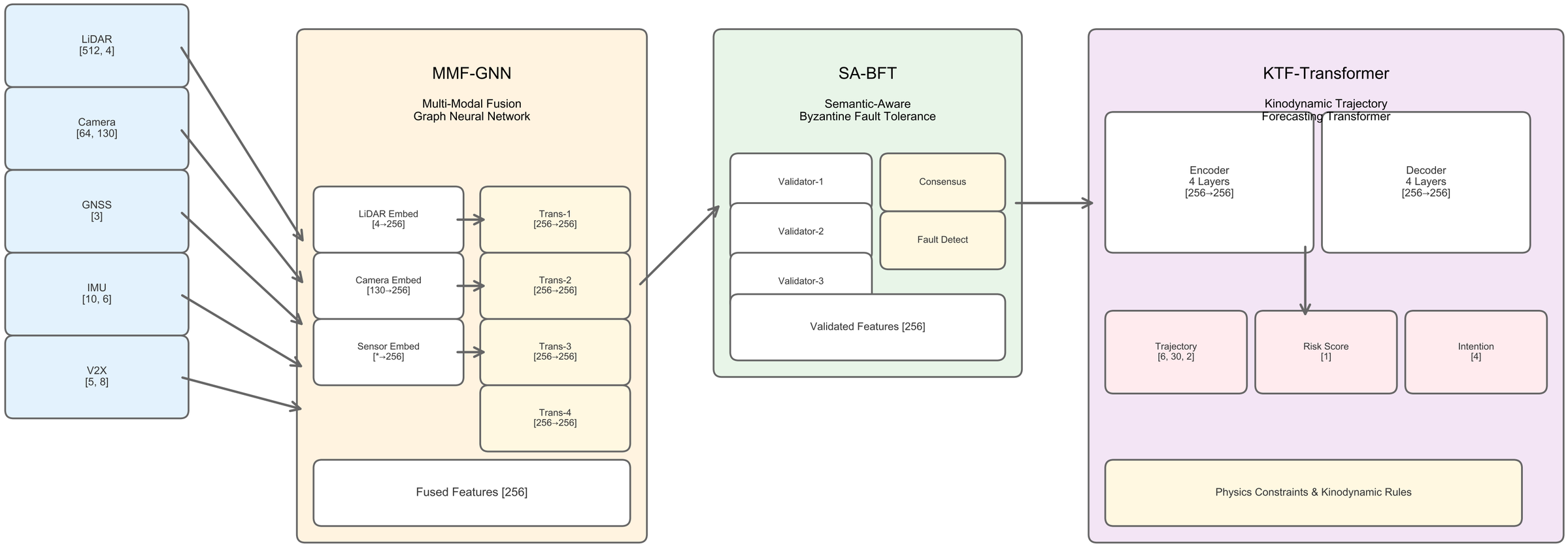
NexusFusion Architecture

Multi-Modal Input Layer

Multi-Modal Autonomous Driving Neural Network



Architecture Components:

- Input Modalities
- MMF-GNN Processing
- SA-BFT Validation
- KTF Prediction
- Attention/Special
- Output Results

Model Specifications:

- Total Parameters: 15.6M
- Embedding Dimension: 256
- Attention Heads: 8
- Transformer Layers: 4 (each component)
- Dropout Rate: 0.2
- Training Device: Mac M4 GPU (MPS)
- Best Validation Loss: 29.91