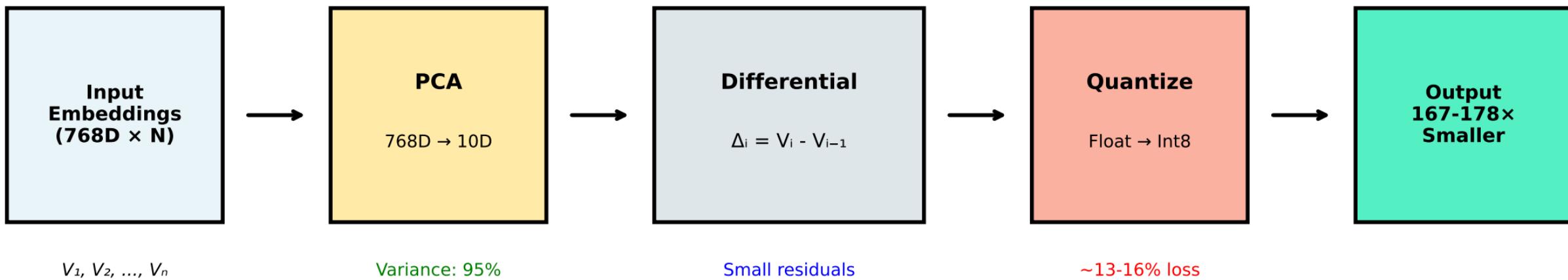


# PCA + Differential Encoding Compression Pipeline



*Key insight: Consecutive embeddings lie on low-dimensional manifold ( $D_2 < 1$ )  
→ Small deltas after PCA → High compression ratio*