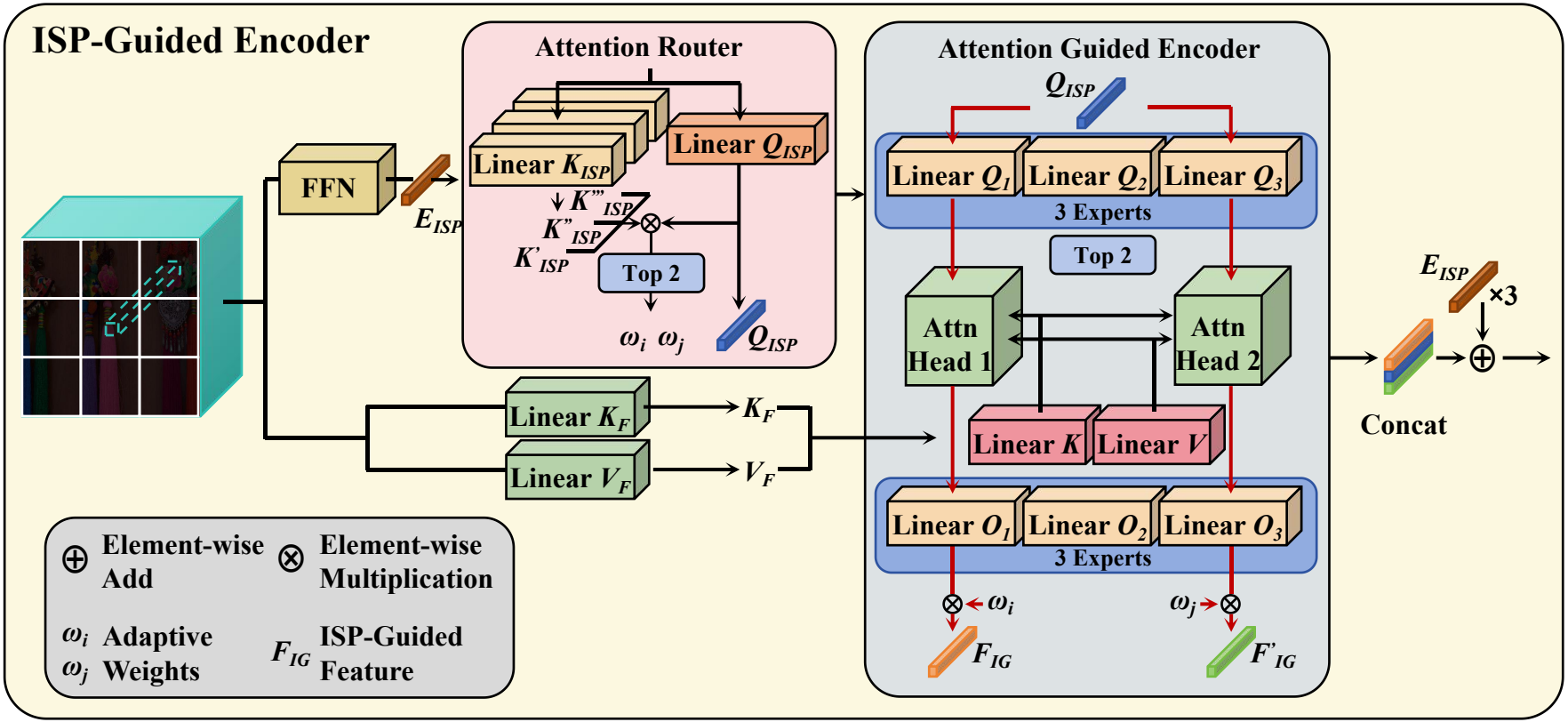
ISP-Guided Encoder
FFN
E_{ISP}
Attention Router
Linear K_{ISP}
Linear Q_{ISP}
K'''_{ISP}
K''_{ISP}
K'_{ISP}
Top 2
ω_i ω_j
Q_{ISP}
Linear K_F
Linear V_F
K_F
V_F
Attention Guided Encoder
Q_{ISP}
Linear Q_1
Linear Q_2
Linear Q_3
3 Experts
Top 2
Attn Head 1
Attn Head 2
Linear K
Linear V
Linear O_1
Linear O_2
Linear O_3
3 Experts
ω_i
ω_j
F_{IG}
F'_{IG}
E_{ISP}
×3
Concat
⊕ Element-wise Add
⊗ Element-wise Multiplication
ω_i ω_j Adaptive Weights
F_{IG} ISP-Guided Feature