Global structure

X_t^{l-1}

GMG Cell × N

ST-ConvLSTM

H_t

Global Focus Module

H_t^g

Self-Attention Memory

$\hat{H}_t^g$

Motion Guided Module

F_{t-1}
D_{t-1}

H_t

F_t
D_t^M

X_t^l

ST-ConvLSTM

Global Focus Module

(b)   (a)

1-   ×

(a)   G

(b)

X_t^{l-1} ReLU   AAP   Linear   ReLU   c   Sigmoid   ×   +   ×

H_t

g_t H_t^g

Motion Guided Module

DeformableConv

$\hat{H}_t^g$ * X_t^l

ConvGRU

F_t

c r_t u_t ×

×   1-

F_{t-1} ×   + F'_{t-1} F_t

Add

D_{t-1} (c)   Adjust   (d)   + D'_{t-1} D_t^M

α β

Time Delay

(c)   ×   +   ×   Transfer

α β

Adjust   (d)

α_d β_d

Transfer

α β

α_d α' β_d β'

$\hat{H}_t^g$ AAP

⊗ **Hadamard Product**   ⊕ **Addition**   © **Dimension Concat**