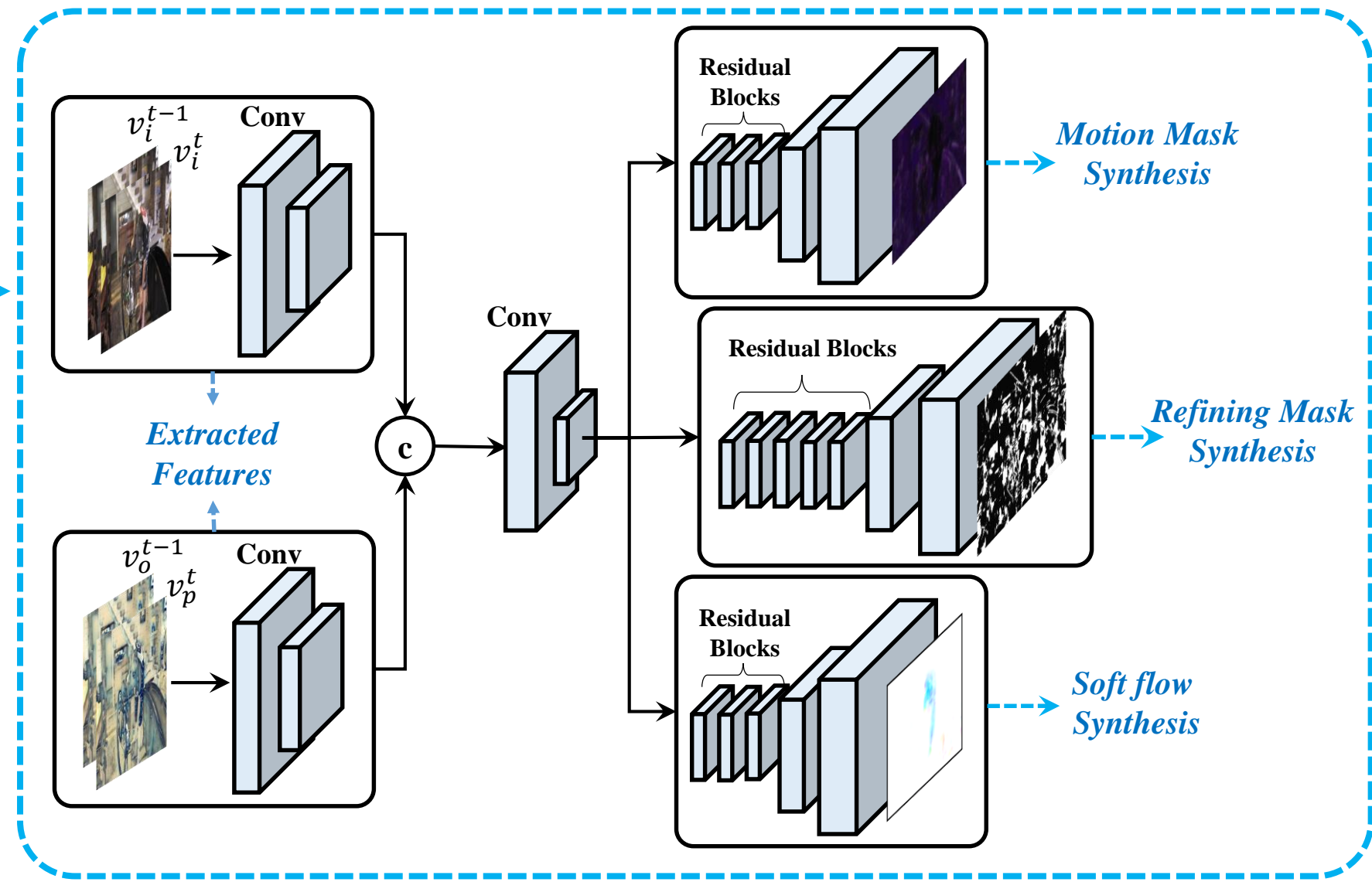


(a) The framework of our proposed method



(b) The architecture of the TDMS module

**(c)** Concatenate

**(w)** Warp

**(+)** Element-wise sum

**(x)** Element-wise product

$\rightarrow$  Forward

$\rightarrow$  Output

$\rightarrow$  Loss

$L_f^{d(1)}, L_f^{d(2)}$  Supervised Dual Flow Learning Loss

$L_w$  Supervised Motion Mask Learning Loss

$L_p, L_f^s$  Unsupervised Refining Mask Learning Loss