Rotation and Shift Invariant Loss

Feedforward

Positive I^p

Anchor I^a

Negative I^n

Shared Model

Common Region

MRSD

RSIL

MRSD

Common Region

Backpropagation

s_h pixels

C_{s_w, s_h}

s_w pixels

Feature Map Shift

$C_{s_w, s_h, \theta}$

θ angle

Feature Map Rotation