Legend:
- $\blacksquare$: x_s
- $\blacksquare$: $x_s + w_{up}^{i+1}(x_s)$
- $\blacksquare$: $x_s + w_{up,r}^{i+1}(x_s)$
- ——— : the epipolar line of x_s
- $\blacksquare$: pixels search range

f_s^i f_t^i f_s^i f_t^i

the cost volume the cost volume

(a) PWC-Net manner (b) the proposed manner