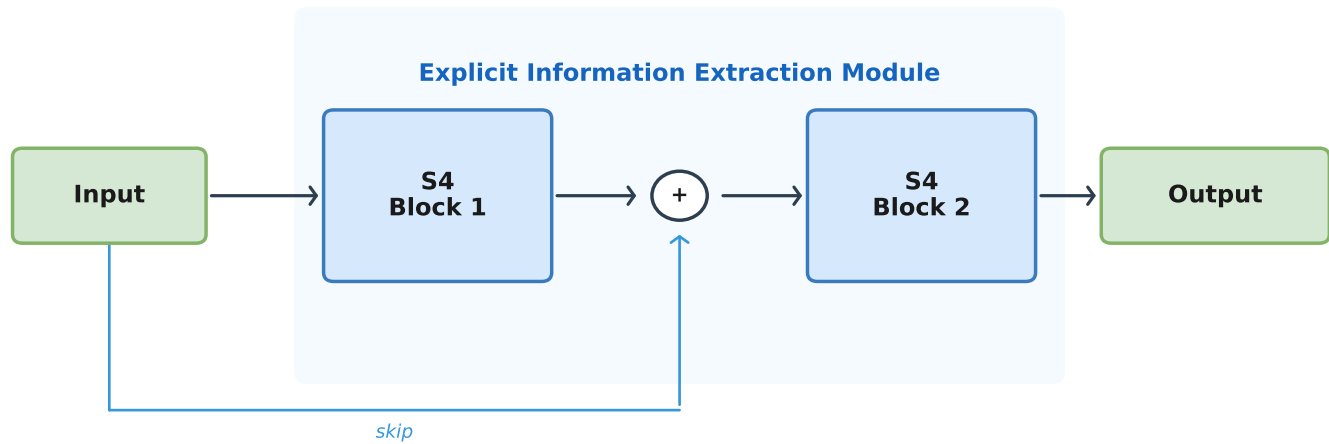


(c) Explicit Module: Structured State Space (S4) Layer



$$\mathbf{s}_{t+1} = \bar{\mathbf{A}} \mathbf{s}_t + \bar{\mathbf{B}} \mathbf{x}_t, \quad \mathbf{y}_t = \mathbf{C} \mathbf{s}_t + \mathbf{D} \mathbf{x}_t$$

