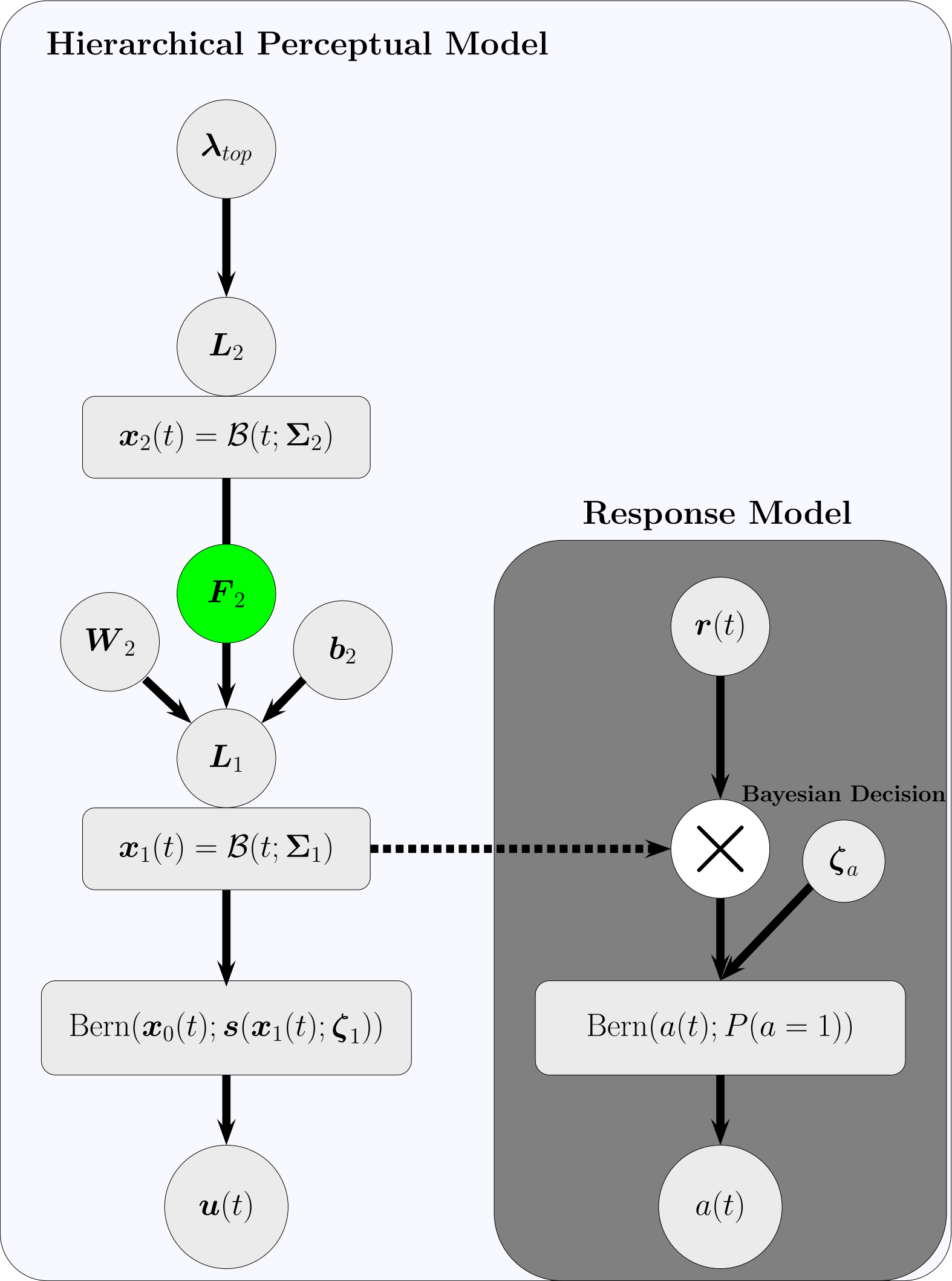
Hierarchical Perceptual Model
$\boldsymbol{\lambda}_{top}$
$\boldsymbol{L}_2$
$\boldsymbol{x}_2(t) = \mathcal{B}(t; \boldsymbol{\Sigma}_2)$
$\boldsymbol{F}_2$
$\boldsymbol{W}_2$
$\boldsymbol{b}_2$
$\boldsymbol{L}_1$
$\boldsymbol{x}_1(t) = \mathcal{B}(t; \boldsymbol{\Sigma}_1)$
$\text{Bern}(\boldsymbol{x}_0(t); \boldsymbol{s}(\boldsymbol{x}_1(t); \boldsymbol{\zeta}_1))$
$\boldsymbol{u}(t)$
Response Model
$\boldsymbol{r}(t)$
Bayesian Decision
ζ_a
$\text{Bern}(a(t); P(a = 1))$
$a(t)$