

LGN ON and OFF Channels		
α_1	100	
U_1	50	
L_1	50	
A_1	1.0	
A_2	1.03361	
σ_c	0.5	
σ_s	1.5	
Simple Cells		
Scale 1	Vertical Cells	Horizontal Cells
σ_{pk}	1.0	0.75
σ_{qk}	0.75	1.0
Scale 2	Vertical Cells	Horizontal Cells
σ_{pk}	1.25	1.0
σ_{qk}	1.0	1.25
Complex Cells		
α_2	0.01	
β	15.0	
U_2	1.0	
L_2	1.0	
Γ_e	0.2	
	Scale 1	Scale 2
A_{dd}	2.5	2.5
A_{de}	1.0	1.0
$A_{d,mon}$	0.25	0.15
μ_{dd}	0.05	0.05
μ_{de}	0.05	0.05
$\mu_{d,mon}$	0.075	0.075
μ_{dd}^c	0.015	0.015
μ_{dd}^s	0.5	0.5
Horizontal Complex Cells		
α_3	0.1	
U_3	1.0	
L_3	1.0	
A_1	1.0	
A_2	1.0	
	Scale 1	Scale 2
μ_c	1.5	0.5
μ_s	0.06	0.06
Hypercomplex Cells: Spatial Competition		
α_4	0.01	
U_4	1.0	
L_4	1.0	
T	0.0000189	
	Scale 1	Scale 2
σ_c	1.0	1.0
σ_s	2.0	2.0

Hypercomplex cells: Orientational Competition		
α_5	1.0	
U_5	1.0	
L_5	1.0	
	Scale 1	Scale 2
C	1.0	1.0
S	1.5	1.5
σ_c	0.5	0.5
σ_s	0.75	0.75
Bipole Cells		
D	0.1	
Γ	0.1	
A	1.0	
B	2.0	
Z	1.0	
ρ	0.0	
σ_g	7.0	
σ_k	0.15	
σ_r	0.15	
Monocular FIDO		
M^m	0.1	
δ	100,000.0	
κ	1.0	
ϵ	1000.0	
Output from Monocular FIDOs		
α_8	0.01	
L_8	1.0	
U_8	1.0	
C	0.0398	
σ_c	2.0	
S	0.181	
σ_s	3.0	
Binocular FIDO		
α_9	0.01	
U_9	0.5	
L_9	50.0	
M^b	0.1	
δ	100,000.0	
κ	1.0	
ϵ	1000.0	

TABLE 1