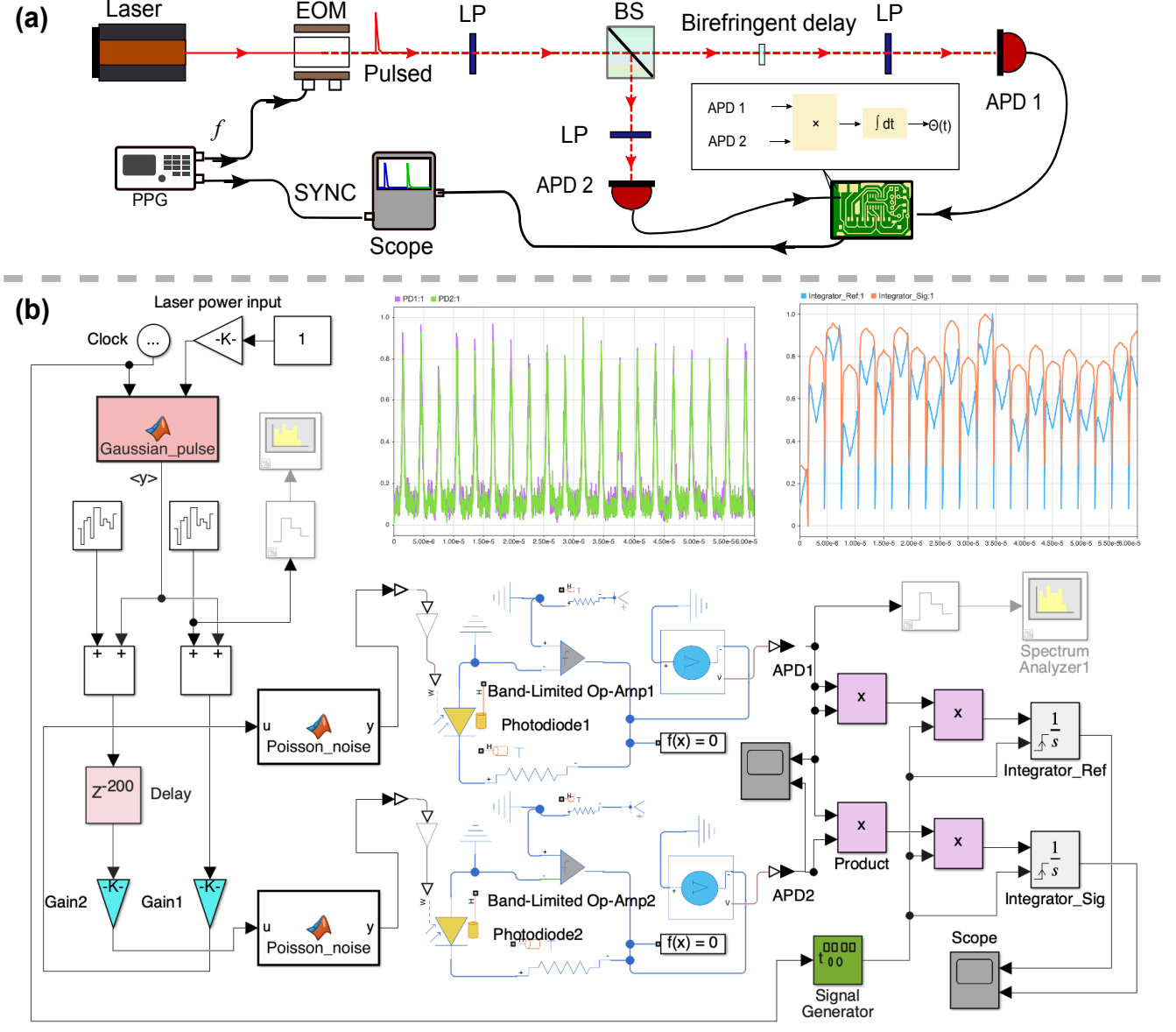
(a)
Laser
EOM
Pulsed
LP
BS
Birefringent delay
LP
APD 1
f
PPG
SYNC
Scope
LP
APD 2
APD 1
APD 2
×
∫ dt
Θ(t)
(b)
Laser power input
Clock
-K-
1
Gaussian_pulse
<y>
PD1:1
PD2:1
Integrator_Ref:1
Integrator_Sig:1
Poisson_noise
Poisson_noise
Z-200
Delay
Gain2
Gain1
-K-
-K-
Band-Limited Op-Amp1
Photodiode1
f(x) = 0
Band-Limited Op-Amp2
Photodiode2
f(x) = 0
APD1
APD2
Product
Integrator_Ref
Integrator_Sig
Spectrum Analyzer1
Scope
Signal Generator