Gyroscope diagram with three channels (x, y, z):

X channel:
- xvel — raw [-]
- bias: gyro_x_bias (raw → actual, w [rad/s])
- Discrete Filter X: Bessel LPF — num(z)/den(z), Num: gyro_filter_z_num, Den: gyro_filter_z_den
- gyro_x_reset → Discrete-Time Integrator (K Ts / z-1)
- Outputs: raw [-], w [rad/s], theta [rad] → 1 x

Y channel:
- yvel — raw [-]
- bias: gyro_y_bias (raw → actual, w [rad/s])
- Discrete Filter Y: Bessel LPF — num(z)/den(z), Num: gyro_filter_z_num, Den: gyro_filter_z_den
- gyro_y_reset → Discrete-Time Integrator1 (K Ts / z-1)
- Outputs: raw [-], w [rad/s], theta [rad] → 2 y

Z channel:
- zvel — raw [-]
- bias: gyro_z_bias (raw → actual, w [rad/s])
- Discrete Filter Z: Bessel LPF — num(z)/den(z), Num: gyro_filter_z_num, Den: gyro_filter_z_den
- gyro_z_reset → Discrete-Time Integrator2 (K Ts / z-1)
- Outputs: raw [-], w [rad/s], theta [rad] → 3 z

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Gyroscope
DLPF mode: gyro_dlpf_mode