Best viewed in Landscape mode

Panning motion picture cameras

Panning too quickly past stationary objects can cause strobing. Traditionally 5 seconds is a safe speed to pan a stationary subject from one edge of the frame to the other. For higher contrast subjects, up to 8 seconds may be needed.

35mm Camera Panning Speeds on a Static Subject
90 degree pan with approximately 180 degree Shutter

fps	Lens										
	20mm	28mm	35mm	40mm	50mm	75mm	85mm	100mm	150mm	180mm	300mm
8	27s	45s	55s	60s	1.5m	2m	2.5m	3m	4m	5m	7m
12	18s	30s	36s	42s	54s	70s	1.5m	2m	2.5m	3.5m	5m
16	13s	23s	27s	32s	41s	55s	70s	1.5m	2m	2.5m	3.5m
20	11s	18s	22s	25s	27s	43s	60s	70s	1.5m	2m	3m
24	9s	15s	18s	21s	23s	36s	50s	60s	80s	1.5m	2.5m
32	7s	11s	14s	16s	20s	27s	38s	45s	60s	75s	2m
48	4.5s	7.5s	9s	11s	13s	18s	25s	30s	40s	55s	75s
60	3.5s	6s	7s	8s	11s	14s	20s	24s	32s	40s	60s
75	3s	5s	6s	7s	9s	12s	17s	19s	26s	35s	50s
90	2.4s	4s	5s	6s	7s	10s	14s	16s	21s	29s	40s
120	1.8s	3s	4s	4s	5s	7s	10s	12s	16s	22s	30s
150	1.4s	2.4s	3s	3.5s	4s	6s	8s	10s	13s	17s	25s
s = seconds m = minutes											

Tests should be made to determine best results