

ND Filter & Shutter Speed Cheat Sheet for Drone Videography

Understanding ND Filters

Neutral Density (ND) filters reduce the amount of light entering your drone camera lens. This allows you to use slower shutter speeds in bright conditions - ideal for achieving natural motion blur in video.

Lighting Condition	Recommended ND Filter	Shutter Speed for 24fps
Early Morning / Late Evening	ND4	1/50
Cloudy / Overcast	ND8	1/50
Partly Cloudy / Bright	ND16	1/50
Sunny	ND32	1/50
Extremely Bright / Snow / Beach	ND64+	1/50

Quick Tips

- Match shutter speed to double your video frame rate (e.g., 24fps = 1/50).
- Always use ND filters for cinematic motion blur in bright daylight.
- ND filters are not needed in low-light conditions - just lower your ISO.
- Carry a set (ND4 to ND64) to be ready for changing weather and time of day.