

Underwater Quick-Settings Cheat Card

Grab-and-go reference. Full detail in Section 18. Set EVERYTHING topside — the touchscreen is unusable submerged; shoot button-only with the QS (Quick Switch) button.

Settings by Scenario

Scenario	Res / FPS	Color + WB	Aperture / ISO	Filter	Key reminder
Snorkel / reef, bright sun (0–5 m)	4K 30 (or 4K 4:3)	D-Log M; Auto WB or 5600K	f/4.0 / ISO 100–400	Light-red or none	Tame glare; sunbeams cleaner at f/4
Scuba blue water (10–20 m)	4K 30	D-Log M; custom WB at depth or 6500–7500K	f/2.0 / ISO 100–3200	Red	Get close; let f/2.0 carry the light
Deep / green / murky	4K 24–30	D-Log M or normal; magenta+Auto for green	f/2.0 / ISO cap ~6400	Magenta	Don't push fps; add lights
Wreck / cave / dark	4K 30, or 4K 60 SuperNight	WB to lights ~5000–5600K	f/2.0 / ISO last-resort 51200	None	Lights mandatory for color
Split-level / over-under	4K 30, 4:3 open-gate	D-Log M; ~5600K compromise	f/4.0 / low ISO	None	Keep top of port dry; shoot fast
Fast action (sharks, drift)	4K 120 (slow-mo) or 4K 60	Auto or locked WB	f/2.0 / shutter 1/120–1/250	Red (blue water)	Raise shutter to freeze motion
Night + video lights	4K 30, or 4K 60 SuperNight	WB to lights ~5000–5600K	f/2.0 / ISO <=3200	None	Lights carry exposure, not ISO

All scenarios: Stabilization RockSteady 3.0 (HorizonSteady/Balancing only at 4K/60 or lower); Bitrate High; Noise Reduction and Sharpening -1 to -2; keep ISO as low as the scene allows.

Depth & Case Quick Facts

- **Bare camera: 20 m / IP68.** Realistically dive bare only to ~10–12 m; case it deeper. Zero margin at 20 m.
- **DJI case / Telesin case: 60 m.** Use below ~16–20 m, in cold water, or whenever you want reliable buttons.
- **Scuba Diving Mode:** auto-engages ~14–16 m, or hold Record ~5 s. Main Record button dies under pressure — **start/stop with the QS button.** Exit = press Record 5x fast.

Pre-Dive Checklist (topside)

- 1 Set res / fps / color / WB / aperture / ISO cap / stabilization on the surface.
- 2 Program the QS button for record (button-only diving).
- 3 **O-ring:** clean groove; inspect for salt, sand, hair (the #1 flood cause).
- 4 Anti-fog insert in; assemble in cool, dry / A-C air.
- 5 Battery 100%; fast SD card with space.
- 6 Float strap / handle on; lens cover (bare) or port (cased) clean and tight.
- 7 Optional: weighted leak-check dunk before committing the camera.

White Balance Cheat

- **Default:** Auto WB (the Action 6's built-in color-temp sensor is genuinely good — best out-of-camera color in the class).
- **Lock for grading:** ~5600K topside/shallow; push warmer with depth, ~6500–7500K at 10–20 m blue water.

- **Most accurate:** custom WB off a gray slate or light sand at your working depth; redo it each time depth changes by a few meters.
- **With video lights:** no filter; match WB to your lights (~5000–5600K).

Lens Quick-Pick

- **Wide:** a glass-dome wet lens (**Inon GR140 ZD Pro**, **AOI UWL-03/03Pro**) restores underwater FOV and fixes the Action 6's edge softness/distortion. Behind a bare flat port the native 155° shrinks to ~110–120°.
- **Macro:** **Inon UCL-G55 + the 2x lossless zoom**, shot at **f/4.0** for depth of field, using the lens focus markers — best small-critter combo for this camera.
- **DO NOT dive** the **DJI FOV Boost Lens** (rated 5 m, distorts underwater, "not for diving").
- **DJI Macro Lens** does not fit inside the slim cases — **bare / shallow only**, no published depth rating.

Filter Rule of Thumb

- **Red** = blue tropical water, ~5–25 m, ambient light. - **Light red** = very shallow / snorkel.
- **Magenta** = green / temperate / murky / freshwater. - **No filter** = whenever you run video lights.
- Don't stack a strong red filter + heavy manual red WB + post red-recovery — you'll clip the red channel.