

Key Function: Dual shutter speed

If you don't have dual shutter speed, the camera will maintain same shutter speed in both day and night, you know the light conditions are different, in day, you have significant light (LUX level is high), so even in a slower shutter speed (let's say 1/250 sec), you can have a clear picture, but in night, 1/250 sec is far from enough, maybe you need 1/2000 sec to get a clear picture.

From other hand, if you set the shutter speed very fast (let's say 1/2000 sec) at both day and night, the night performance is good, but you will have very dark and many noises image in day time.

So that's why you need a dual shutter speed, because you need a slow shutter speed at day, and you need a fast shutter speed at night, a single speed camera can never do that.

Dual Shutter Speed Setting

The camera switches from daytime to night time settings when the Infra red illumination comes on. As a starting point we suggest having Daytime set to "Auto" and night time set to "1/2000th" of a second. This would correspond to:

Pin 1 "On", Pin 2 "On", Pin 3 "Off" & Pin 4 "On".

Night time number plate exposure can be fine tuned by altering the infra red brightness (cross head adjuster in the screw cap, anti-clockwise to brighten, clockwise to dim), or by adjusting the shutter speed settings. Decreasing the shutter speed allows more light into the camera and brightens the number plate.

Pin 1	Pin 2	Pin 3	Pin 4	Shutter Speed at Day	Shutter Speed during Night
ON	ON	ON	ON	Auto (Default)	1/500 (Default)
ON	ON	ON	OFF	Auto	1/1000
ON	ON	OFF	ON	Auto	1/2000
ON	ON	OFF	OFF	Auto	1/4000
ON	OFF	ON	ON	1/500	1/500
ON	OFF	ON	OFF	1/500	1/1000
ON	OFF	OFF	ON	1/500	1/2000
ON	OFF	OFF	OFF	1/500	1/4000
OFF	ON	ON	ON	1/1000	1/500
OFF	ON	ON	OFF	1/1000	1/1000
OFF	ON	OFF	ON	1/1000	1/2000
OFF	ON	OFF	OFF	1/1000	1/4000
OFF	OFF	ON	ON	1/2000	1/500
OFF	OFF	ON	OFF	1/2000	1/1000
OFF	OFF	OFF	ON	1/2000	1/2000
OFF	OFF	OFF	OFF	Disable "Dual Shutter Speed Setting", enable single shutter speed adjusting from OSD menu.	