



Camtraptions PIR v4 Manual (*extract*)



Suggested Camera Settings (Stills)

The following guide provides a **recommended starting configuration** for your camera when using the Camtraptions PIR Sensor v4. These settings are designed to produce reliable, well-exposed results in a wide range of conditions, both **day and night**.

This configuration is just one example — feel free to experiment with different settings to achieve specific creative effects or adapt to particular lighting conditions.

- **Focus Mode:** Set the camera to **Manual Focus** and pre-focus on the point where you expect the animal to trigger the sensor.
- **Drive Mode:** Set the camera to **Single Shot** mode rather than continuous drive. The sensor will automatically control the number of images and frame rate during each trigger sequence.
- **ISO Setting:** Use **Auto ISO** so the camera can automatically adjust to changing light levels.
 - Optional: Limit the **maximum ISO** to around **1600 or 3200** to prevent excessive noise at night.
- **Exposure Mode:** Set the camera to **Manual Exposure** mode.
 - Use a **shutter speed of 1/200 s** to avoid motion blur or ghosting.
 - Choose an **aperture of around f/8** to provide sufficient depth of field and ensure the image is not overexposed in bright daylight at base ISO.
- **Image Stabilisation:** If your lens includes **image stabilisation (IS)** or **vibration reduction (VR)**, **disable it**. (These systems are unnecessary in a stationary setup.)
- **Power Saving:** Enable the camera's **auto power-off** function so it powers down automatically after about **30 seconds** of inactivity.
- **Image Review:** Turn **off automatic image review** after each shot to conserve battery power.
- **Flash Power:**
 - Set each flash to **manual power mode** and adjust output to correctly expose the subject **in complete darkness**, based on your chosen manual exposure settings at the **maximum ISO** expected from Auto ISO.
 - As ambient light increases, the ISO will decrease, and the contribution from the flashes will naturally become less significant.
- **Image Format:** Shoot in **RAW** to retain maximum flexibility for adjusting exposure and brightness during post-processing.

This setup offers a dependable baseline that balances **exposure, responsiveness, and image quality**. Once you have verified that your sensor and flashes are triggering reliably, you can fine-tune exposure settings, flash ratios, or ISO limits to suit your specific environment and creative goals.

This manual extract applies to firmware version 1.19.

Exported from docs.camtraptions.com.