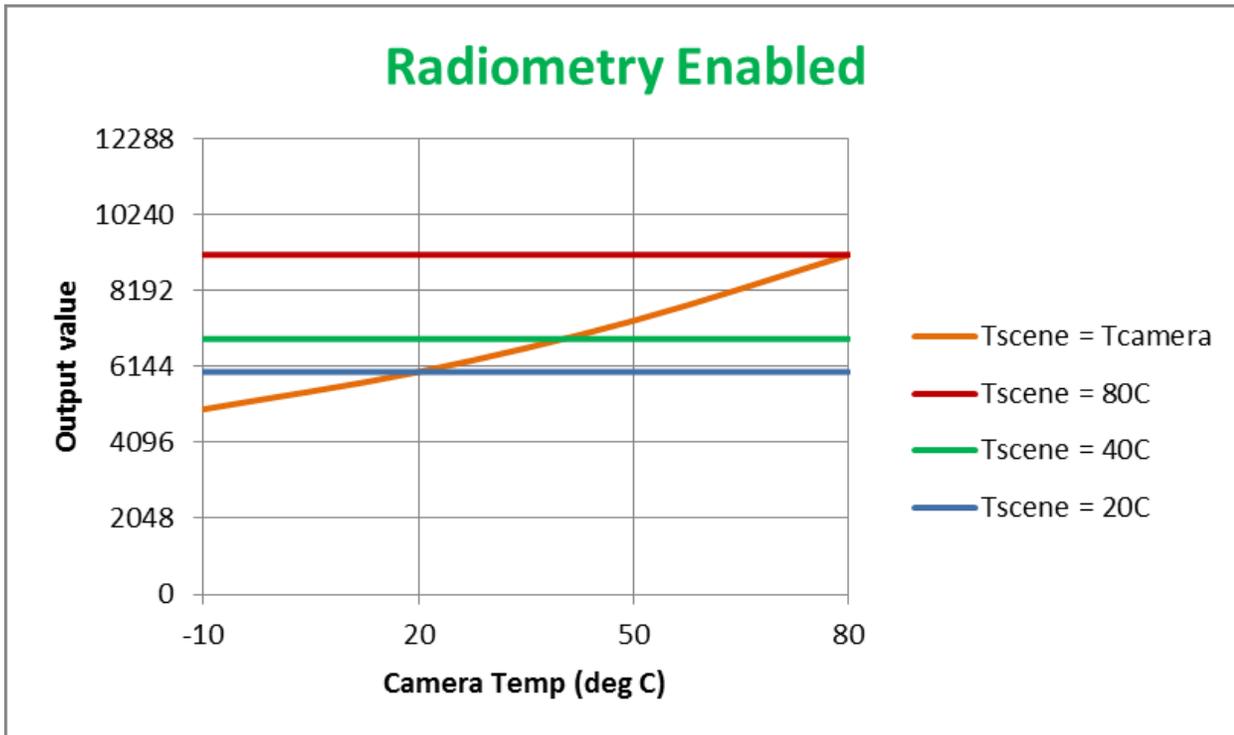


# FLIR LEPTON® Long Wave Infrared (LWIR) Datasheet

## 8.4.2 Radiometry Enabled

With radiometry enabled, Lepton performs internal adjustments to the signal level such that in principle the output is independent of the camera's own temperature. The resulting output for three different scene temperatures is illustrated hypothetically in *Figure 11*. Notice in *Figure 11* that the output is only a function of scene temperature, not camera temperature (again, the figure is for illustration purposes only and not perfectly representative. In practice, there is slight output variation as camera temperature changes, particularly when the temperature change is rapid). Also notice that responsivity is also independent of camera temperature; that is, the difference in output between two different scene temperatures is a constant, as opposed to in *Figure 10 on page 23*, where it decreases with increasing camera temperature.

Figure 11 Hypothetical Illustration of Camera Output vs. Camera Temperature in Radiometry-enabled Mode



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