Guides and Resources: Hardware - QDrone

Cameras

This document provides information on the QDrone's Cameras.

RGB-D Camera

The QDrone uses Intel RealSense R200 camera (Figure 1) with specifications outlined in Table 1. For more information on how to read form this camera, see Guides and Resources > Basic IO > Read_Cameras.

Figure 1: Intel RealSense R200 camera on the QDrone

Table 1: Intel RealSense R200 specifications	
Item	**Description**
Depth Sensing	0.5 - 3.5 m range (IR Image: 480 x 320 @ 60 FPS)
RGB Vision	640x480 @ 60 FPS / 1080p @ 30 FPS

Optical Flow Camera

The QDrone uses Omnivision OV7251 VGA optical flow camera (Figure 2) with specifications outlined in Table 2. For more information on how to read form this camera, see Guides and Resources > Basic IO > Read_Cameras.

Figure 1: Omnivision OV7251 camera on the QDrone

Table 1: Omnivision OV7251 specifications	
Item	**Description**
Output	Grayscale
Vision	640x480 @ 120 FPS