



Raptor

Specifications



Ver 1.1

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1 Introduction

The document describes the specifications of the Raptor.

2 Specifications

Visible Camera configuration I	Visible 400-700 nm Resolution: 1280 x 720 Zoom : x40 + x2 digital, (total x80) continuous zoom HFOV : 60° WFOV – 1.5° NFOV – 0.75° DFOV
Visible Camera configuration II	Visible 400-700 nm Resolution: 1920 x 1080 Zoom : x27 + x2 digital, (total x54) continuous zoom HFOV : 60° WFOV – 2.2° NFOV – 1.1° DFOV
Thermal Camera	LWIR uncooled (8-12µm) Resolution : 1280 x 720 Zoom : x8 digital, continuous zoom HFOV : 17.5° W.FOV - 2.2° D.FOV
Field of regard	Pan : 360° (non continuous) Tilt : -45° to +80°
Control Interface	RS-232

Video Interface	Micro-HDMI
Stabilization	< 50 μ rad
Power Requirement	15-32 VDC
Power Consumption	10 Watt
Dimensions	Diameter=90 mm Height=120 mm
Weight	640 grams
Temperature	-20°C [-4°F] to +55°C [+131°F]

Visible camera can have either configuration I or configuration II .