





PENSAR™



PENSAR BOX

 Video output digital HDMI	 Data storage 64GB Micro SD card*	 Connectivity WiFi/Bluetooth/Micro USB	 Voltage 24V
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*16GB eMMC internal storage




DAYLIGHT CAMERA

 Resolution 1920x1080/30fps	 Optical zoom 30x	 Image device 1/2.8-type CMOS	 Horizontal viewing angle 63.7°(wide) to 2.3°(tele)
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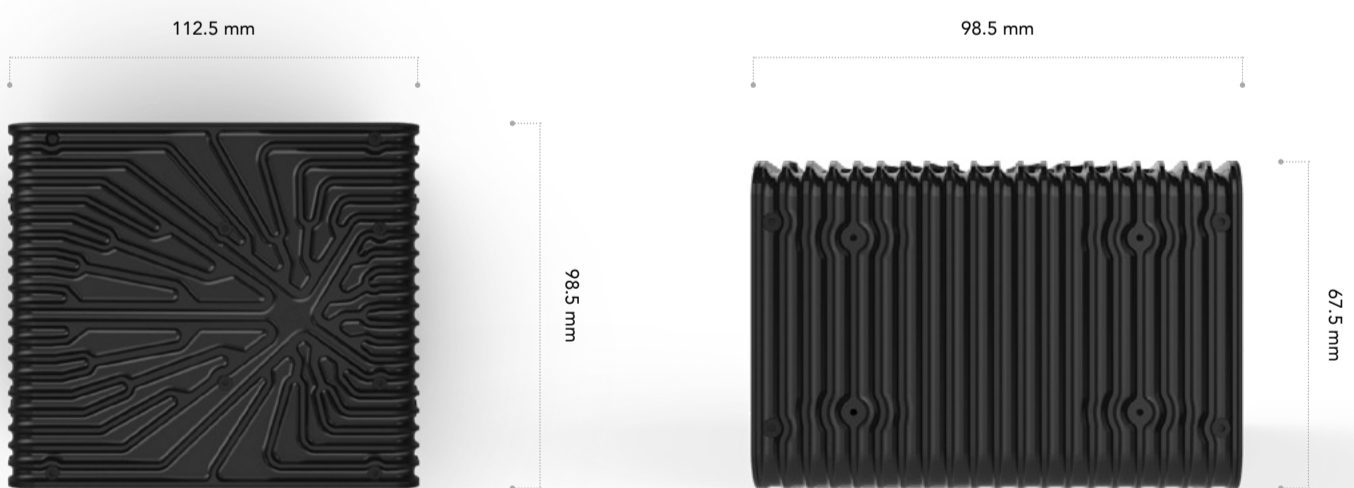
 Focus system Auto/Manual	 Min. object distance** 10 mm to 1200 mm	 Electronic shutter 1/1s to 1/10,000s	 Focal length (35mm converted) 33.0 mm to 659 mm
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**Default: 300 mm

THERMAL CAMERA

 Resolution 320x256	 Pixel pitch 12 μm	 Sensor technology Uncooled VOx	 Thermal sensitivity < 40 mK to < 60 mK
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 Spectral range 7.5 - 13.5 μm	 Digital zoom Yes	 Slow frame rates < 9 Hz available	 Focal length 13.8 mm
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DIMENSIONS

 Outer dimensions 110 x 100 x 70 mm	 Gimbal AV130 & AV200	 Mechanical interface 1/4-20 screw thread	 Weight 672 grams
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NVIDIA® JETSON™ TX1 MODULE

GPU:	NVIDIA Maxwell™, 256 CUDA cores
CPU:	Quad ARM® A57/2 MB L2
Memory:	4GB 64 bit LPDDR4 25.6 GB/s



*Using the "Linux4Tegra" (L4T) tools, it is possible to back-up and restore Pensar images.