

PENSAR™



PENSAR BOX



Video output digital
HDMI



Data storage
64GB Micro SD card*



Connectivity
WiFi/Bluetooth/Micro USB



Voltage
24V

*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)



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

**Default: 300 mm

THERMAL CAMERA



Resolution
320x256



Pixel pitch
12 µm



Sensor technology
Uncooled VOx



Thermal sensitivity
< 40 mK to < 60 mK



Spectral range
7.5 - 13.5 µm



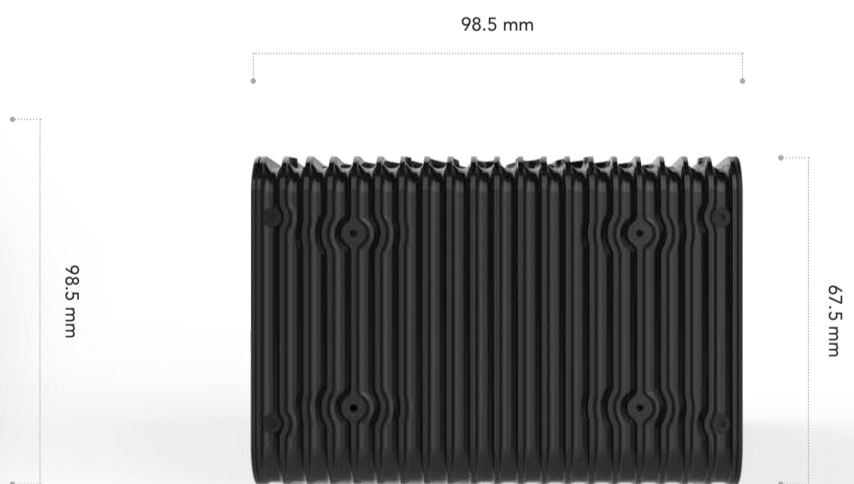
Digital zoom
Yes



Slow frame rates
< 9 Hz available



Focal length
13.8 mm



DIMENSIONS



Outer dimensions
112.5 x 98.5 x 67.5



Gimbal
AV130 & AV200



Mechanical interface
1/4-20 screw thread



Weight
715 grams

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.

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