

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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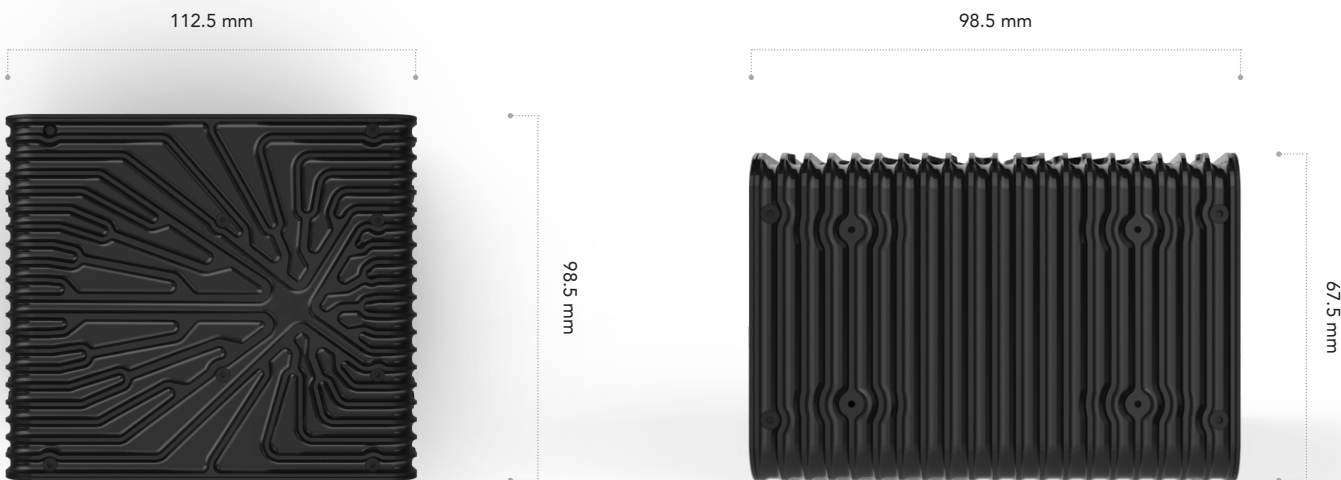
	Focus system Auto/Manual		Min. object distance** 10 mm to 1200 mm		Electronic shutter 1/1s to 1/10,000s		Focal length (35mm converted) 33.0 mm to 659 mm
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**Default: 300 mm

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 112.5 x 98.5 x 67.5		Gimbal AV130 & AV200		Mechanical interface 1/4-20 screw thread		Weight 715 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.