SENSAiZ PoE AI Sensor IMX500 12.3MP (P/N: SZP123S-001)

Sensor Properties	
Sensor Model	Sony IMX500 Color CMOS
Shutter Type	Rolling shutter
Sensor Size	1/2.3" (Diag 7.857mm)
Resolution	12.33 MP, 4056 x 3040px
Pixel Size	1.55 µm

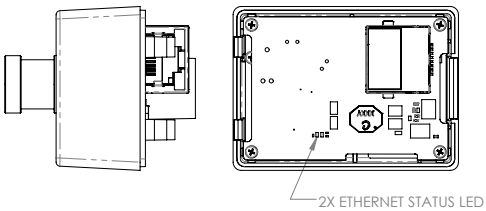
Controller Properties	
Controller Module	ESP32-WROVER-E
Processor	Two low-power Xtensa® 32-bit LX6 microprocessors
RAM	520KB on-chip SRAM, 8MB PSRAM
Storage	16MB SPI flash

Physical Properties	
Dimensions	55 x 40 x 35 (excludes lens protrusion)
Lens Mount	S-Mount
Weight	48 g
Focal length	4.35mm
Focus Type	Fixed Focus (Focused at 3m*) *Performance varies depending on application.
Field of View (DxHxV)	85.5° x 71.6° x 56.8°
Aperture	F3.0
TV Distortion	<0.58%

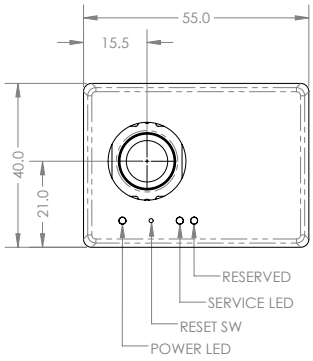
Interface and Power Information	
Digital Interface	100BASE-T RJ45, PoE
Power Requirement	PoE (IEEE 802.3af)
Power Consumption	3W (max) via PoE

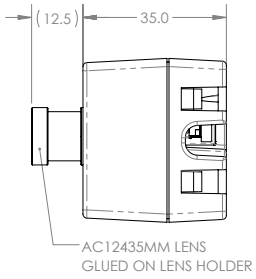
Standard and Certifications	
Compliance	CE, FCC, ISED, MIC, RoHS, REACH, WEEE
Storage Temperature	-30° to 60°C
Operating Temperature	0° to 40°C ambient
Humidity	Operating: 20% ~ 80%, relative, non-condensing

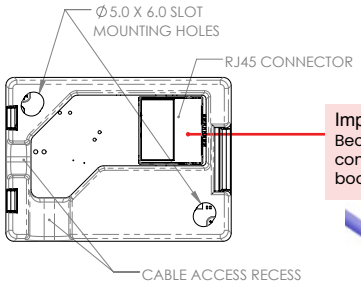
WITHOUT BACK COVER



WITH BACK COVER







Important!
Because of space limitations, molded connector is not support. Use only bootless connector.

(Drawings continued on next page)

CONFIDENTIAL
Preliminary specifications are subject to change without notice.

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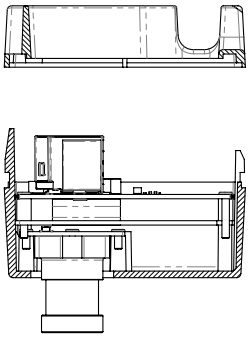
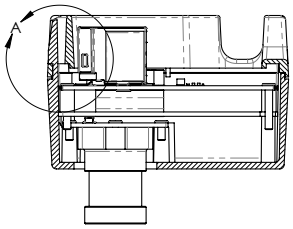
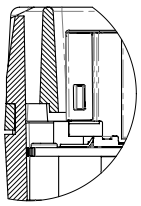
BACK COVER REMOVED



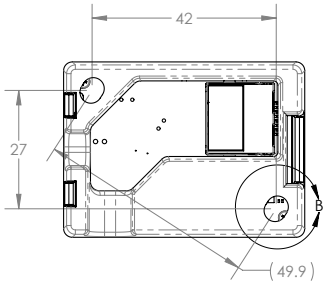
BACK COVER SNAPPED IN

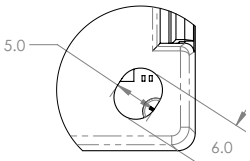




DETAIL A
SCALE 2 : 1

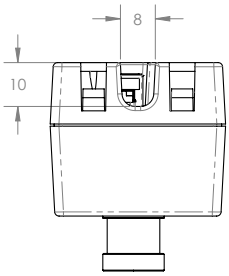
MOUNTING HOLES

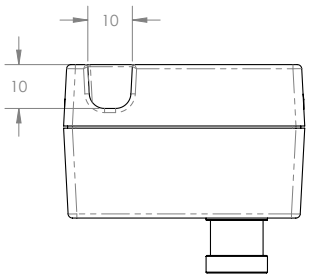
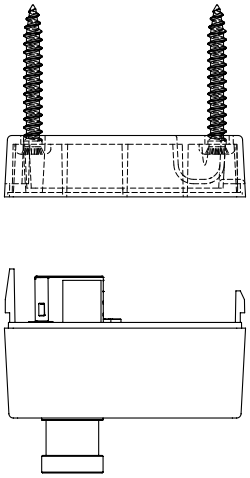




DETAIL B
SCALE 2 : 1

CABLE ACCESS RECESS





INSTALLATION WITH #8 SCREW