Rayprus
AI Sensing Camera
CSV26

About the Manual

Datasheet (this document) defines the names and functions of the parts and controls of the unit and explains how to set up the unit.
Please be sure to read it before operating this unit.
See the Developer Site for the detailed information about the AITRIOS service.
https://developer.aitrios.sony-semicon.com/en/edge-ai-sensing/

Connection

1. Regarding PoE hubs, LAN cables, and fixed equipment, please purchase equipment that meets the following conditions separately.
2. PoE hub - The interface type of CSV26 is 100BASE-T RJ45, PoE.
   Prepare an appropriate PoE hubs, and LAN cable for connecting.
3. When using fixed equipment, prepare each equipment that meets the following requirements.
   Camera Fixing Equipment -The CSV26 has tripod mounting screw hole on the bottom of rear side(e), so prepare tripod or a fixture to set-up.
4. DEVICE INFO QR Code - Contains network connection information when using the device as a wireless LAN router.
5. Camera QR Code - Contains device AID-UUID information.

Specifications

Sensor Properties

Sensor Model	IMX500
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	55mm X 40mm X 35mm (excludes lens protrusion)	
Lens Mount	S-Mount	
Weight	48 g	
Focal length	4.35mm	
Focus Type	Fixed Focus (Focused at 2m*) *performance varies depending on application	
Field of View (D x H x V)	85.5° x 71.6° x 56.8°	
Aperture	F3.0	
Distortion	Optical distortion	<-1.55%
	TV Distortion	<-0.62%

Interface and Power Information

Digital Interface	100BASE-T RJ45,PoE
Power Requirement	PoE (IEEE 802.3af)
Power Consumption	Typ.1.5W Max. 3W

Standard and Certifications

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Compliance	CE, IC, FCC, MIC, ETL, RoHS
Storage Temperature	-30℃ to 60℃
Operating Temperature	-10℃ to 40℃ ambient
Humidity	Operating:20%~80%, relative, non-condensing

Location and Function of Parts

(a) (b) (c)   (f) (e)   (d) (g)
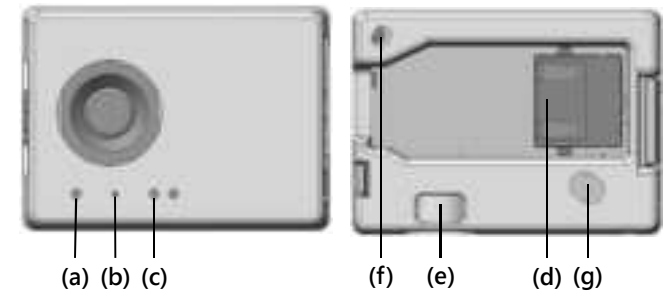
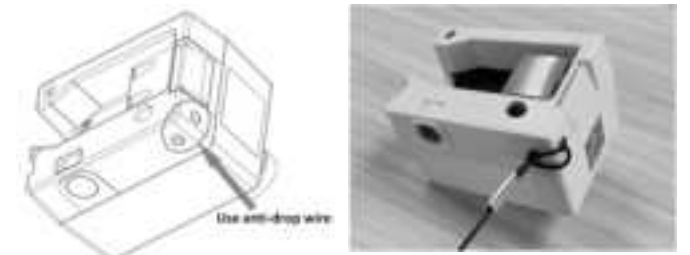### Status Indicator Lights

(a) Power Indicator

(b) Reset / Mode Button

(c) Services Indicator

(d) Ethernet RJ45

(e) Tripod mounting screw hole

(f) (g) Two screws hole on the back cover

Holes on the corner are intended to attach Security/Fall Prevention Wire.
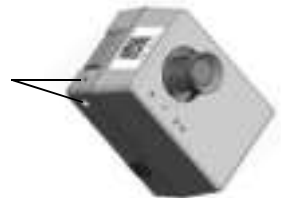
When using holes on the corner are intended to attach security/fall prevention wire.

Label and positions

1.DEVICE INFO QR Code:

When you scan the Device Info QR code with Device Installer, a wireless LAN connection is established between Device Installer and the Edge Device. Please refer to Device Setup Guide for details.
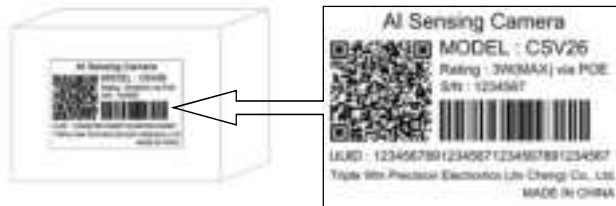

2.AID-UUID QR Code:

Identifier of this Edge Device which is used to request for its device certificate or to register it to AITRIOS service.

If the Camera QR code is dirty or scratched, you may not be able to scan it. In this case, check the AID-UUID written on the device.

UUID:8005001-0000-2000-9002-00000000003b
FCC ID-2AC72-ESP32WROVERE
CONFORMS TO UL STD 62368-1
IC ID-21098-ESP32WROVERE
CERTIFIED TO CSA STD
C22.2 NO. 62368-1
211-200403
Intertek

3.Carton label:

WITH BACK COVER

SERVICE INDICATOR
RESET / MODE BUTTON
POWER INDICATOR
ETHERNET CONNECTOR
CABLE ACCESS

BACK COVER REMOVED   BACK COVER SNAPPED IN

DETAIL A

CABLE ACCESS

1/4-20 UNC TRIPOD SCREW HOLE
#3.5 ANTI-DROP WIRE HOLES

MOUNTING HOLES

DETAIL B   DETAIL C