

ZOOM Nitro® Vision AI

Data Sheet

CAMERA TECHNICAL SPECIFICATIONS*



OPERATIONAL

IMAGE SENSOR	1/2.8" CMOS
MINIMUM ILLUMINATION	0.05lux/F1.4(color,30IRE) 0Lux/F1.4(IR on)
S/N RATIO	More than 45dB
IR DISTANCE	Up to 60m(197ft), depending on scene reflectance
IR LIGHT CONTROL	Manual/SmartIR/OFF
IR LIGHT NUMBER	4
DAY/NIGHT	Auto(ICR) / Color / B&W
WHITE BALANCE	Auto/Natural/Street Lamp/Outdoor/Manual/Customized Region
GAIN CONTROL	0~100
WIDE DYNAMIC RANGE	120dB
LENS	2.7mm~13.5mm, Motorized, F1.4
ANGLE OF VIEW	H:108°~30°, V:60°~18°

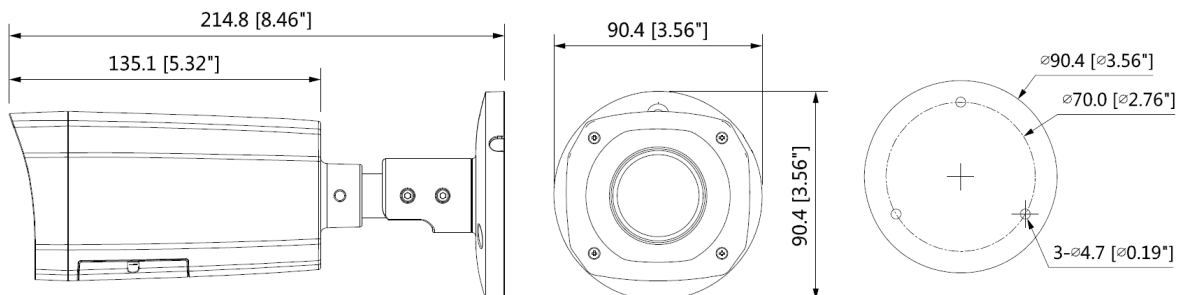
NETWORK

ETHERNET	RJ-45 (10/100Base-T)
----------	----------------------

ELECTRICAL

POWER SUPPLY	DC12V PoE (802.3af)(Class 0)
POWER CONSUMPTION	<11.4W (-ZS)

CAMERA DIMENSIONS



Continued on page 4

VPU (Video Processing Unit) TECHNICAL SPECIFICATIONS*



SYSTEM

AI ACCELERATOR	NVIDIA® Jetson Orin Nano™
DISPLAY INTERFACE	HDMI 1.4 (Type-A) x 1
ETHERNET	RJ-45 x 2 for 10/100/1000 Base-T
I/O	USB 3.2 Gen 2 (Type-A) x 2, Micro USB x 1 for OS Flash, Power ON/OFF switch x 1, Recovery button x 1
INDICATOR	Power LED x 1
POWER SUPPLY/REQUIREMENT	DC-in 12-24V with 2-pin terminal block

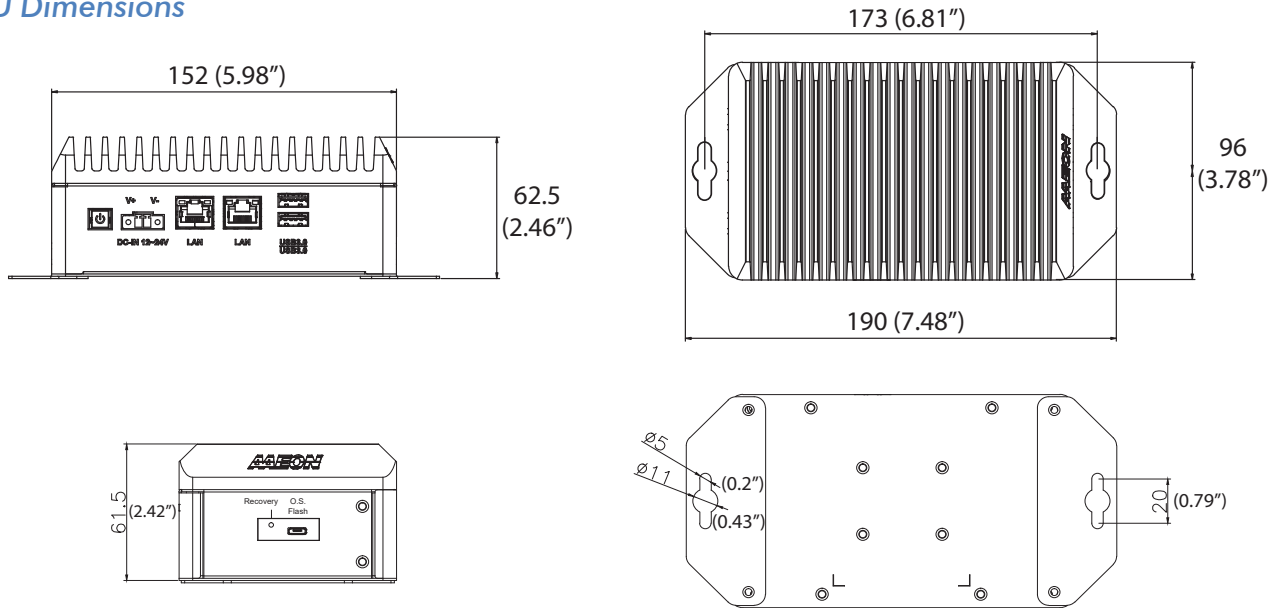
MECHANICAL

DIMENSIONS (W X D X H)	5.98" x 3.78" x 2.42" (152 mm x 96 mm x 61.5 mm) (w/o bracket)
WEIGHT, GROSS	3.97 lb (1.8 kg)
WEIGHT, NET	2.65 lb (1.2 kg)
MOUNTING	Wall mount kit

ENVIRONMENTAL

TEMPERATURE, OPERATING	-5°F ~ 149°F (-15°C ~ 65°C with 0.5 m/s airflow)
TEMPERATURE, STORAGE	-40°F ~ 176°F (-40°C ~ 85°C)
STORAGE HUMIDITY	5 ~ 95% @ 40°C, non-condensing

VPU Dimensions



PoE (Power over Ethernet) SWITCH TECHNICAL SPECIFICATIONS*



SYSTEM

INTERFACE	5*10/100/1000Mbps RJ45 Ports with 4 PoE Ports (Port 1 to Port 4) AUTO Negotiation/AUTO MDI/MDIX. Total Power Supply: 65 W (TL-SG1005P)
POWER SUPPLY	External Power Adapter (Input: 100-240 VAC 50/60 Hz. Output: 53.5 VDC /1.31 A)
LED	Power, Link/Act, PoE Status, PoE Max

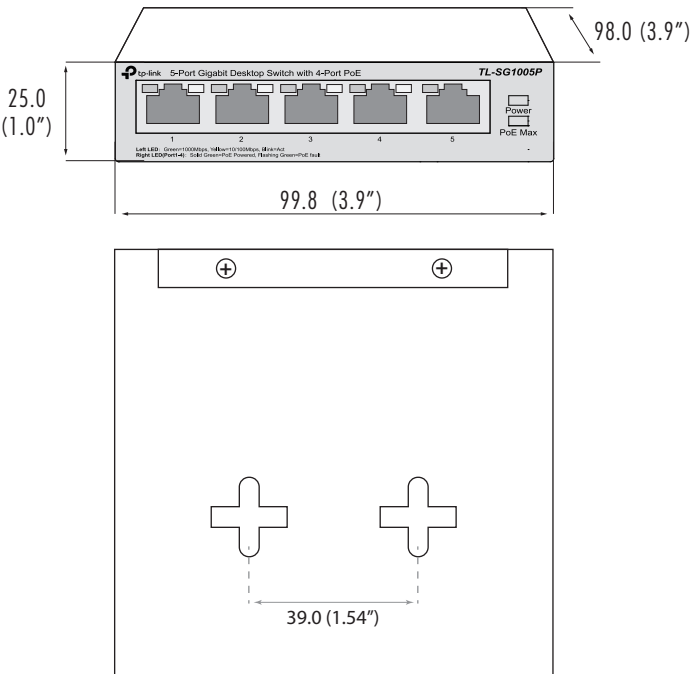
MECHANICAL

DIMENSIONS (W X D X H)	3.9" x 3.9" x 1.0" (99.8 mm x 98 mm x 25 mm)
PACKAGE WEIGHT	1.65 lb (0.75 kg)
WALL MOUNTABLE	Yes
DISTANCE BETWEEN MOUNTING HOLES	1.54" (39 mm) Keyhole Center to Keyhole Center

ENVIRONMENTAL

OPERATING TEMPERATURE	32°F to 104°F (0°C to 40°C)
STORAGE TEMPERATURE	-40°F to 158°F (-40°C to 70°C)
OPERATING HUMIDITY	10% to 90%RH non-condensing
STORAGE HUMIDITY	5% to 90%RH non-condensing

PoE Switch Dimensions



CAMERA TECHNICAL SPECIFICATIONS (continued)

MECHANICAL

DIMENSIONS	2.8" x 3.1" x 8.4" (72 mm × 80 mm × 212.8 mm)
PRODUCT WEIGHT	1.41 lb (0.64 kg)
PACKAGE WEIGHT	1.80 lb (0.82 kg)
MATERIAL	Die-cast aluminum housing with powder coat
CONSTRUCTION COLOR	RAL 9003 (White)

ENVIRONMENTAL

OPERATING TEMPERATURE	-30° C ~ +60° C (-22° F ~ +140° F)
RELATIVE HUMIDITY	Less than 95%, non-condensing
INGRESS PROTECTION	IP66

Mounting Bracket

GENERAL*

DIMENSIONS (inner H & D)	8.75" H x 4.0" W x 5.5" D (222 mm × 102 mm × 140 mm)
PRODUCT WEIGHT	1.96 lb (0.89 kg)
MATERIAL	Powder Coated Steel - Black, with four #8-32 x 5/8" Screws and Nylock Nuts



* The specifications in this data sheet are according to those of the original equipment manufacturer (OEM).

