

ZOOM Nitro[®] Vision AI

Data Sheet

CAMERA TECHNICAL SPECIFICATIONS*

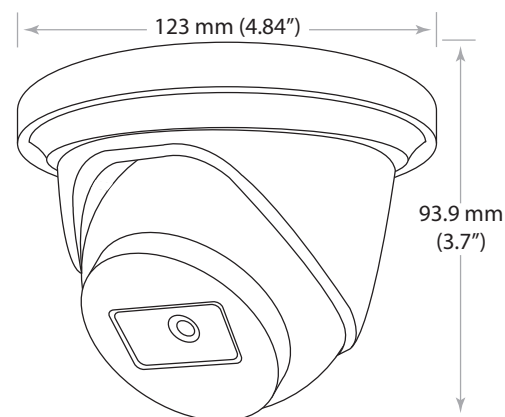


OPERATIONAL

IMAGE SENSOR	1 /2.7" CMOS
ELECTRONIC SHUTTER SPEED	Auto/Manual 1/3 s–1/100,000s
MINIMUM ILLUMINATION	0.005 lux@F1.4 (Color, 30 IRE), 0.0005 lux@F1.4 (B/W, 30 IRE), 0 lux (Illuminator on)
NIGHT VISION DISTANCE	164.04ft (50m)
IR LED	1 IR LED
WHITE LIGHT LED	1 White Light LED
NIGHT VISION MODE	IR Mode, White Light (for color night vision), and smart illumination
LENS TYPE	Fixed-focal
LENS	2.8mm, F1.4
ANGLE OF VIEW	H: 97°; V: 71°; D: 129°

VIDEO

DAY/NIGHT	Auto/Color/B/W
WIDE DYNAMIC RANGE (WDR)	120 dB
WHITE BALANCE	Auto/natural/street lamp/outdoor/manual/regional custom
GAIN CONTROL	Auto/Manual



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

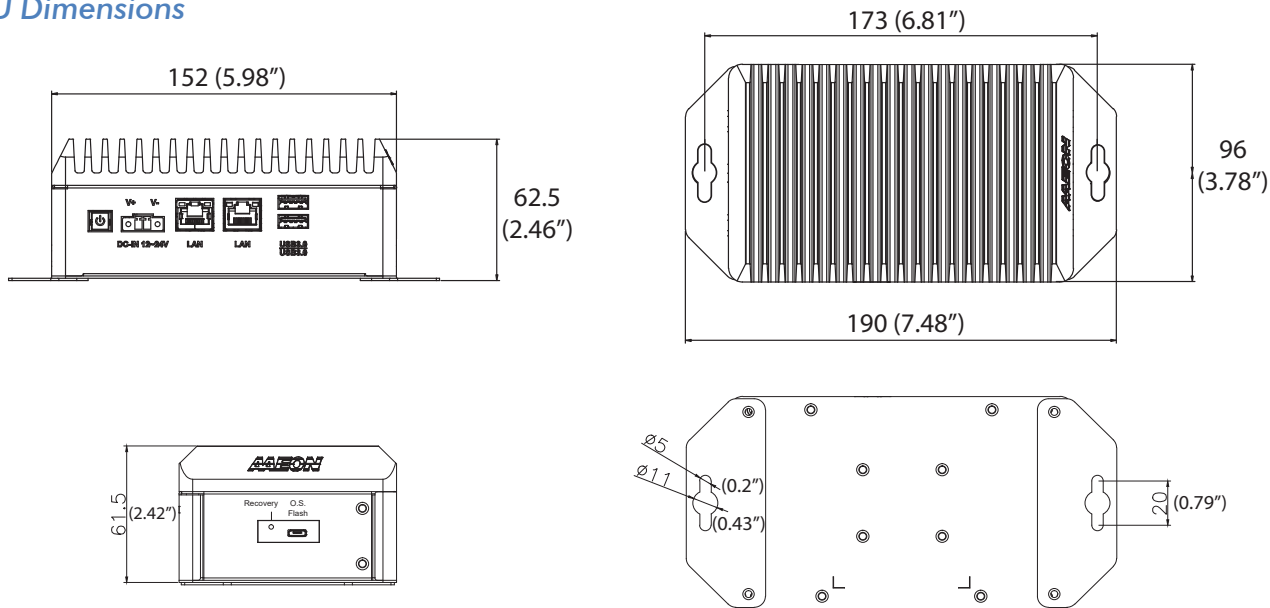
MECHANICAL

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

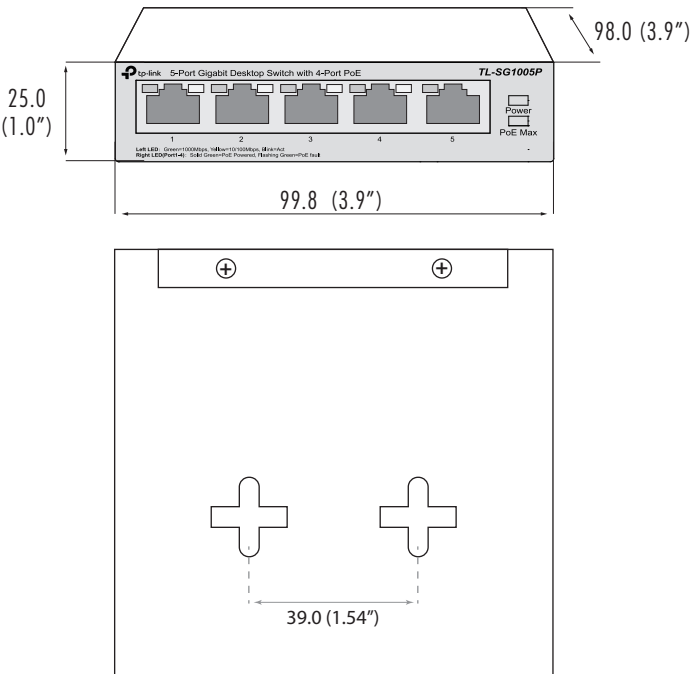
MECHANICAL

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)

NETWORK

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

ELECTRICAL

POWER SUPPLY	12V DC/PoE
POWER CONSUMPTION	Basic: 4.3 W (12 VDC); 4.9 W (PoE) Max. (WDR + IR intensity + Intelligence): 7.6 W (12 VDC); 8.9 W (PoE)

MECHANICAL

DIMENSIONS	3.70" x Ø4.84" (93.9 mm x Ø123.0 mm)
NET WEIGHT	1.21 lb (0.55 kg)
MATERIAL	Metal

ENVIRONMENTAL

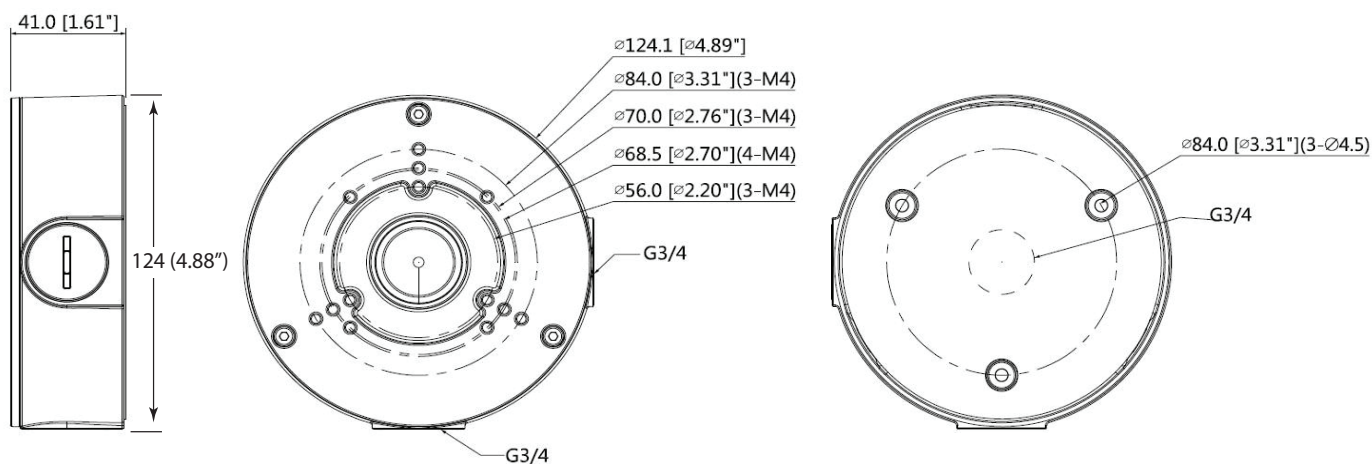
OPERATING CONDITIONS	-40°F to 140°F (-40°C to 60°C), Less than 95%
STORAGE CONDITIONS	-40°F to 140°F (-40°C to 60°C)
INGRESS PROTECTION	IP67

CAMERA JUNCTION BOX

General

MATERIAL	Aluminum
DIMENSION	Ø 4.88" x 1.61" (Ø 124 mm x 41 mm)
PIPE THREAD	G3/4
LOAD BEARING	6.61 lb. (3 kg)
WEIGHT	0.77 lb. (349 g)
OPERATING TEMPERATURE	-40°F to 140°F (-40°C to 60°C), 0 ~ 90% RH

Junction Box Dimensions



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

