

ZOOM Nitro® Vision AI

Data Sheet

CAMERA TECHNICAL SPECIFICATIONS*



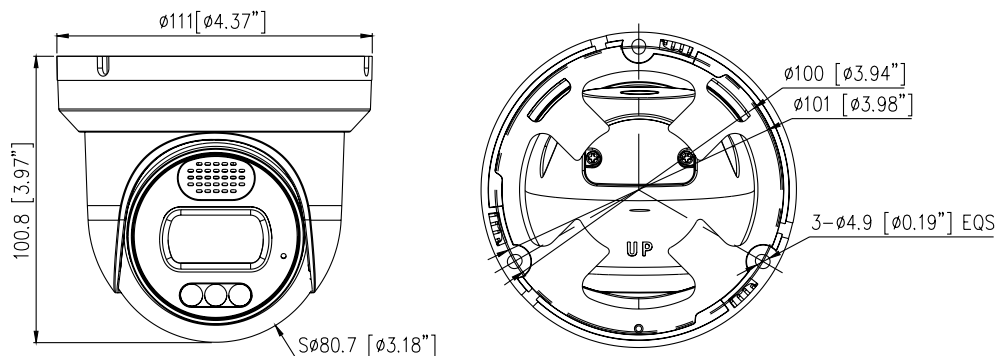
CAMERA AND LENS

IMAGE SENSOR	8MP 1/2.7" CMOS
MAX RESOLUTION	4K (3840 × 2160)
MAX FRAME RATE	25 fps
ASPECT RATIO	16:9
WIDE DYNAMIC RANGE	120 dB True WDR
MIN ILLUMINATION	Color: 0.01 lux / B/W: 0.005 lux, 0 lux with IR on
SIGNAL-TO-NOISE RATIO	55 dB
LENS TYPE	Fixed lens, fixed focus
FOCAL LENGTH / APERTURE	2.8mm, F1.6
FIELD OF VIEW	H: 109.5°; V: 59.8°

VIDEO

VIDEO FORMAT	NTSC
IR NIGHT VISION	Yes (Up to 98.4 ft/30 m in total darkness)
COLOR NIGHT VISION	Yes

Dimensions (mm [in])



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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

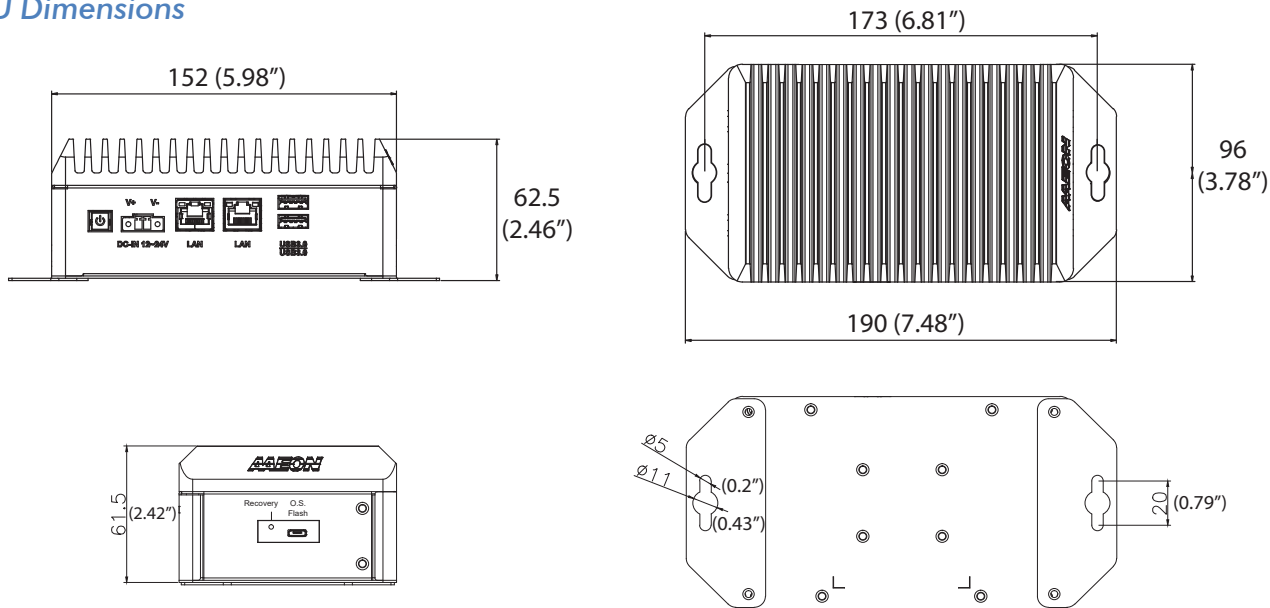
MECHANICAL

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	16 Gigabit Ethernet RJ-45 ports that support 1 Gbps, 100 Mbps, and 10 Mbps 16 PoE/PoE+ ports
POWER ADAPTER INPUT	Power adapter varies by region
POWER ADAPTER OUTPUT	130W: 54V @ 2.4A
MAX POE BUDGET	The maximum budget is as follows: 130W: 115W PoE

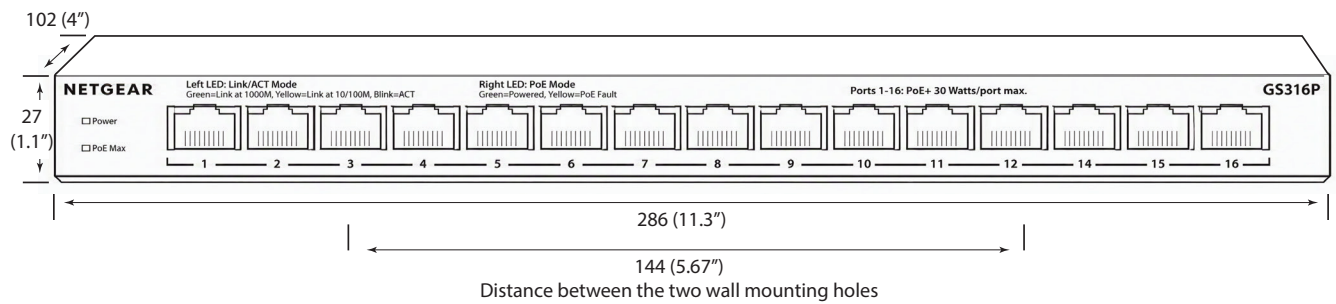
MECHANICAL

DIMENSIONS (W X D X H)	11.3" x 4" x 1.1" (286 mm x 102 mm x 27 mm)
WEIGHT	1.94 lb (0.88 kg)
WALL MOUNTABLE	Yes
STACKABLE	No

ENVIRONMENTAL

OPERATING TEMPERATURE	32°F to 104°F (0°C to 40°C)
STORAGE TEMPERATURE	-4°F to 158°F (-20°C to 70°C)
OPERATING HUMIDITY	10% to 90% RH non-condensing
STORAGE HUMIDITY	10% to 95%

PoE Switch Dimensions



CAMERA TECHNICAL SPECIFICATIONS (continued)

NETWORK & CONNECTIVITY

INTERFACE	RJ45 (10/100 Base-T).
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ELECTRICAL

POWER SUPPLY	12V DC / PoE (802.3af)
MAX POWER CONSUMPTION	6.8 W (12V DC), approx. 8.5 W (PoE)

MECHANICAL

DIMENSIONS	Ø 4.37 x 3.97 in. (Ø 111 mm x 100.8 mm)
CAMERA WEIGHT	0.95 lb (430 g)
MATERIAL/COLORS	Aluminum Alloy; Black/White

ENVIRONMENTAL

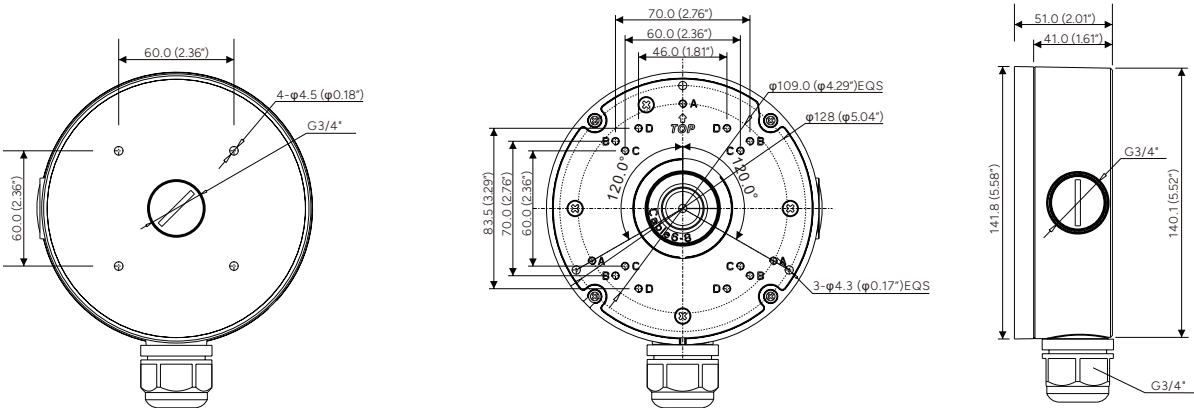
OPERATING TEMPERATURE	-22°F to 140°F (-30°C to 60°C)
OPERATING HUMIDITY	≤ 95% RH
IP RATING	IP66

CAMERA JUNCTION BOX

General

MATERIAL:	Aluminum.
DIMENSION (Ø x D)	Ø 5.58" x 2.0" (Ø 141.8 mm x 51 mm)
PIPE THREAD	G3/4"
LOAD BEARING	8.82 lb (4 kg)
WEIGHT	1.28 lb (0.58 kg)

Dimensions (mm [in])



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

