Interface

Video	One (1) Port, BNC
Audio	Input: One (1) Channel, 3.5 mm Jack Output: One (1) Channel, 3.5 mm Jack
Audio Compression	G.711a, G.711Mu, PCM
RS485	One (1) Port
Alarm	Input: Two (2) Channel Output: Two (2) Channel
Alarm Linkage	SD Card Recording, On,off Output, Siren and Light, Email, PTZ, snapshot
Malfunction Detection	Motion Detection, Privacy Mask, Audio Detection, SD Card Abnormality, Network Abnormality, anti-burn warning

Electrical

Power Supply	12 VDC ±15%, 1.2 A, PoE (IEEE802.3af Class 0), or ePoE
Power Consumption	Maximum: 12 W

Environmental

Operating Temperature	–30° C to +50° C (–22° F to +122° F) Less than 95% RH
Storage Conditions	–30° C to +70° C (–22° F to +158° F)
Ingress Protection	IP67
Static Discharge Protection	6 KV

Construction

Casing	Metal
Dimensions	279.90 mm x 103.80 mm x 95.80 mm (11.02 in. x 4.09 in. x 3.77 in.)
Net Weight	1.40 kg (3.09 lb)
Gross Weight	1.90 kg (4.19 lb)

Intelligence

IVS triggers an alarm and takes a defined action for the following events:

Standard Features	• Tampering with the camera. • Camera loses or changes focus drastically. • Error writing to an onboard Micro SD card. • Error sending or receiving data over the network. • Unauthorized access to the camera.
Premium Features	
Missing Object	Target leaves an object in designated area
Abandoned Object	Target removes an object from a designated area.
Tripwire	A target crosses a user-defined line.
Intrusion	A target enters or exits a defined perimeter.

Thermal Analytics+

Excessive Temperature Detection	Detects a rise in temperature over a short time and issues an alarm.
Cold/Hot Spot Trace	Indicates the coldest and the hottest spot of the scene.
Smoking Detection	Detects a person smoking in the thermal image and triggers a pre-determined action (voice prompt, white light) to alert the person of the smoking policy.
Human/Vehicle Classification	Detects human or vehicle violations using Tripwire or Intrusion detection methods.

Effective IVS Distances – Thermal Lens[2]

Human (1.80 m x 0.50 m)	52.50 m (172.24 ft)
Vehicle (4.0 m x 1.40 m)	146.50 m (480.64 ft)

ePoE Transmission Distances

Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 48 V
Maximum DC resistance < 10 Ω/100 m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	53	IEEE/E100
200 (656)	100	25.5	33	E100
300 (984)	100	19	19	E100
400 (1312)	10	17	17	E10
500 (1640)	10	13	13	E10
800 (2625)	10	7	7	E10

Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 53 V
Maximum DC resistance < 10 Ω/100 m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	53	IEEE/E100
200 (656)	100	25.5	47	E100
300 (984)	100	25.5	32	E100
400 (1312)	10	23	26	E10
500 (1640)	10	20	20	E10
800 (2625)	10	13	13	E10

Via RG-59 Coaxial Cable

ePoE supply voltage 48 V
Maximum DC resistance < 5 Ω/100 m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	50	IEEE/E100
200 (656)	100	25.5	30	E100
300 (984)	100	18	18	E100
400 (1312)	100	15	15	E100
500 (1640)	10	12	12	E10
800 (2625)	10	6	6	E10
1000 (3281)	10	5	5	E10

Via RG-59 Coaxial Cable

ePoE supply voltage 53 V
Maximum DC resistance < 5 Ω/100 m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	52	IEEE/E100
200 (656)	100	25.5	48	E100
300 (984)	100	25.5	30	E100
400 (1312)	100	20	23	E100
500 (1640)	10	16	16	E10
800 (2625)	10	10	10	E10
1000 (3281)	10	8	8	E10

1. The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4 , the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications. The Detection, Recognition, and Identification values shown are nominal values and should be used as estimates only. Exact value calculations depend on a wide variety of conditions.