









# **WHY WE ARE HERE:**

- To provide you with a device that efficiently screens people to reduce the spread of the virus
- To help you maintain a Healthier and Safer environment for everyone
- Reduce your overall Liability and Risk due to Covid 19
- Increase your organizations productivity

# WHAT WE DO:

- Provide Quality Products, Services, and Competitive Pricing
- Professional Installation
- Provide Staff Development for all systems installed
- Provide Scheduled Inspection, Testing, and Maintenance

# **ADVANTAGES:**

- Cost Effective from a Liability Standpoint
- Device that can Detect, Alarm, Speak, Remind, and Record
- Retrievable data available for internal use
- Mitigates Risk Factors for all users
- Encourages Economic Growth
- Operational Cost Savings
- Prevents Reduction in Productivity
- Advocated by the Food and Drug Administration (FDA)

# **SPECIAL FEATURES:**

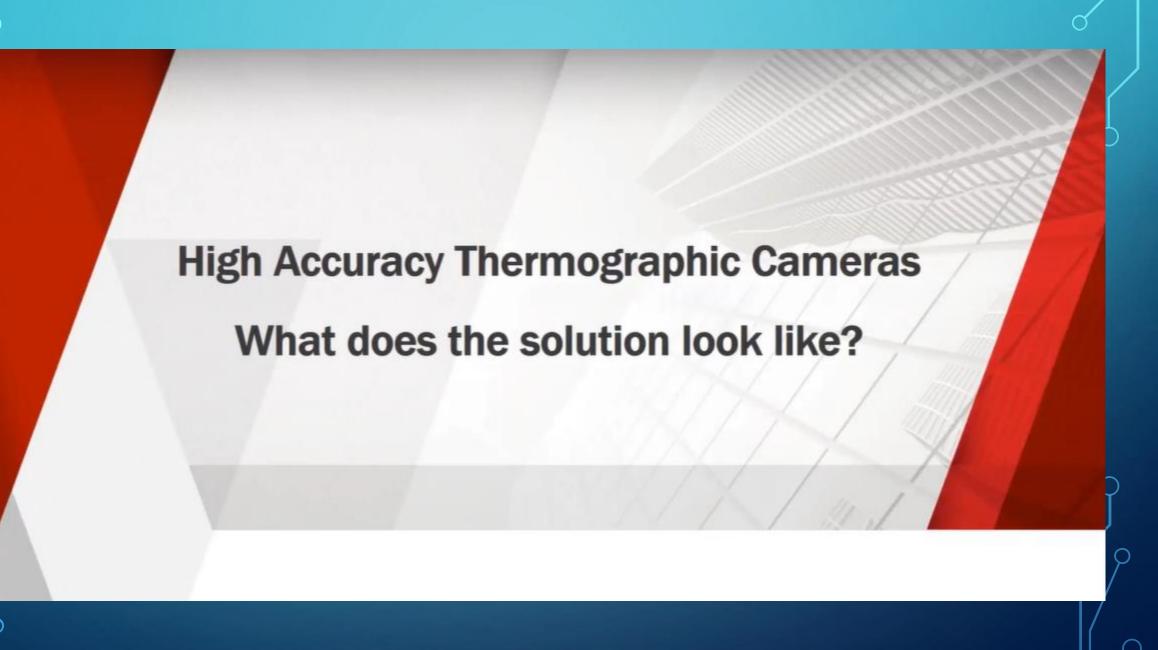
- Can Screen up to 30 persons at once
- Faster screening (up to 5 people screened in roughly 12 seconds)
- Less Invasive
- Reduced User Exposure
- Devices are 4x more accurate then the competition
- Exclusive Advanced Thermographic Technology \*

# **TECHNICAL CONSIDERATIONS:**

- Electronic (UPS)
- Less Effective Devices on the market
- Finding an Optimal Location for Device
- Daily Warm Up Time/Calibration (30 min w/calibrating device vs. 90 mins. manually)
- Optional Mounting Platforms

# **DISCLAIMER:**

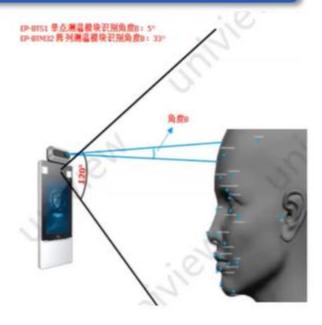
- Temperature Screening Tool only
- Should be used in conjunction with secondary virus follow up
- Not a Medical Device
- Does not treat or diagnose disease
- Not guaranteed to prevent exposure



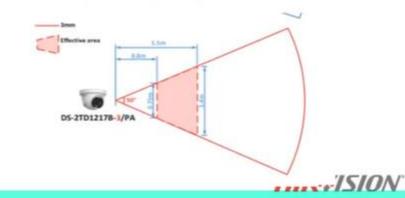
### Advantages of Hikvision Solution

### Thermographic Technology vs. Thermopile

### HIKVISION Other Solutions **Hikvision Thermographic** Thermopile Full screen Fixed limited area measurement measurement Measurement by Al Measurement in the tracking can be limited fixed area can accurate be wrong or missed Measurement Measurement distance: distance: datada. 0.5 m~1.5 m 0.3 m~0.5 m Efficiency: Efficiency: 5 s/person 1 s/person



Thermopile module: Only 5° for overseas model, and best distance is 0.3m Thermographic module: Hikvision is 60°, distance range 0.3-2m



### **New Product Showcase**

### **Common Features**

- All Bi-spectrum (Thermal & Optical)
- Accuracy: ± 0.5°C (0.9°F) w/o blackbody
   ± 0.3°C (0.5°F) w blackbody
- · Bi-spectrum thermal-optical image fusion

- · Automatic image capture and upload
- Stable indoor and windless environment use only (Working Temperature 59 ° to 95 ° F)



### DS-2TD2636B-13/P

- Thermal Resolution: 384×288
- · 4 MP Optical Camera
- Measurement Range:
  - 13 mm Lens: 2.62 ft. to 4.92 ft. Audio Alarm
- Tripod Adapter: DS-2909ZJ (not included)



### Accessories

· Connection between 1/4"-20 tripod and turret camera

Blackbody Calibration Source DS-2TE127-G4A

DS-2TD1217B-3/PA

Thermal Resolution: 160×120

3 mm Lens: 2.62 ft. to 4.92 ft.

Tripod Adapter: DS-2908ZJ (not included)

4 MP Optical Camera

Measurement Range:

Temperature resolution: 0.1°C

Temperature stability: ± 0.1°C/h Effective emissivity: 0.97 ± 0.02

Operating temperature: 0 to 30°C

- Connection between 1/4 -20 tripod and turiet carrier

standard 1/4"-20 Tripod DS-2907ZJ (sold separately)

Standard 1/4"-20 thread (can be purchase elsewhere)

### Bullet Tripod adapter DS-2909ZJ (sold separately)

Turret Tripod adapter DS-2908ZJ (sold separately)

Connection between 1/4"-20 tripod and Bullet camera



### DS-2TD2617B-6/PA

- Thermal Resolution: 160×120
- 4 MP Optical Camera
- · Measurement Range:
  - 6 mm Lens: 4.92 ft. to 9.84 ft.
- Tripod Adapter: DS-2909ZJ (not included)
- Audio Alarm



### DS-2TP21B-6AVF/W

- Thermal Resolution: 160×120
- 8 MP Optical Camera
- · Bluetooth, Wi-Fi
- Touchscreen
- Measurement Range:
  - 6 mm Lens: 1.0-2.0 m
- Tripod ready
- Color Highlight Alarm and Audio Alarm









### **Factors in Camera Choice**

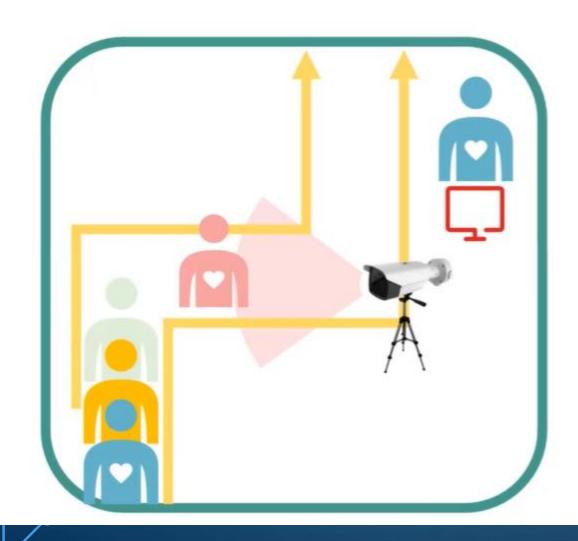
- Detection Distance or range is primary factor
- Distance between front of camera and subject
- Handheld or mountable is a secondary factor
- Price may drive the decision towards a shorter Detection Distance. Longer Detection Distance cameras are more expensive.

## **INSTALLATION LOCATION:**

- Install in a windowless indoor environment
- Ensure that the faces in the crowd don't overlap, and are within the camera's view
- Follow the guidance of the required distance and height for temperature measurement

Professional Installation Provided (Highly Recommended)

# **Elevated Temperature Detection Process**





Set up a screening check point inside an entrance



2. Perform preliminary screening
using thermal camera to quickly detect
elevated temperatures



 Perform secondary check using qualified personnel with approved devices

### **DEEPINMIND NVR**

I Series NVR



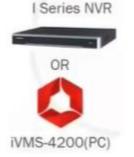
- 160 x 120 Thermal Resolution (Upscaled to 320 x 240)
- Temperature Accuracy: ±0.9°F (±0.5°C) at 2.62 ft to 4.92 ft (0.8 m to 1.5 m)
- Reliable Temperature Exception Alarm Function
- 3D DNR, Image Detail Enhancement
- White Light and Audio Alarm
- 4 MP Optical Sensor, 0.0089 lux
- PoE (802.3af, class 3)
- Uses two channels on an I-Series NVR
- Optional PC140 Pendant Cap



### DEEPINMIND NVR

### DS-2TD2617B-6/PA

- 160 × 120 Resolution in Thermal Channel, High Sensitivity Sensor
- Accuracy: ±0.9° F (±0.5° C) at 4.92 ft to 9.84 ft (1.5 m to 3 m)
- Reliable Temperature Exception Alarm Function
- 3D DNR, Image Detail Enhancement
- White Light and Audio Alarm
- 4 MP Optical Sensor, 0.0089 lux
- PoE (802.3af, class 3)
- Uses two channels on an I-Series NVR

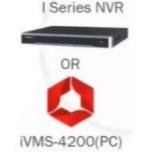




### DEEPINMIND NVR

### DS-2TD2636B-13/PA

- 384 × 288 High Resolution Thermal Channel, High Sensitivity Sensor
- Accuracy: ±0.9° F (±0.5° C) at 8.2 feet to 22.0 feet (2.5 m to 7 m)
- Reliable Temperature Exception Alarm Function
- 3D DNR, Image Detail Enhancement
- 4 MP Optical Sensor, 0.0089 lux
- PoE (802.3af, class 3)
- Uses two channels on an I-Series NVR





### HIKVISION

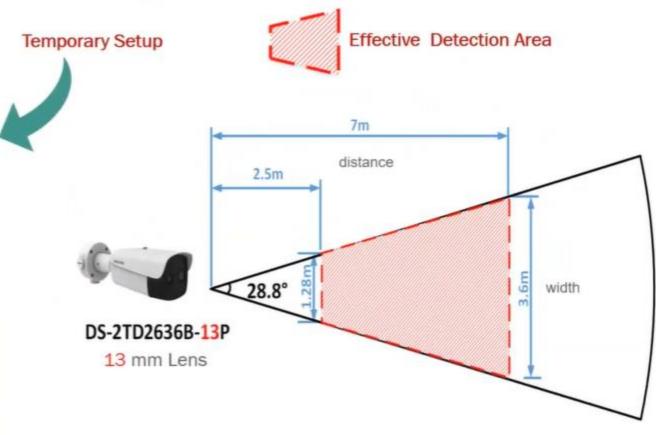
### Mobile Temperature Screening Thermal Solution with DeepinMind NVR



Accuracy:  $\pm 0.5^{\circ}$ C ( $\pm 0.3^{\circ}$ C with black body)

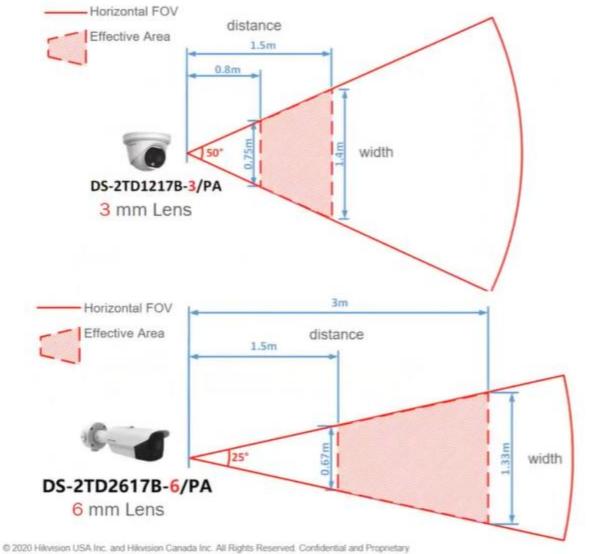
# **Long-Range Solution — Setup**

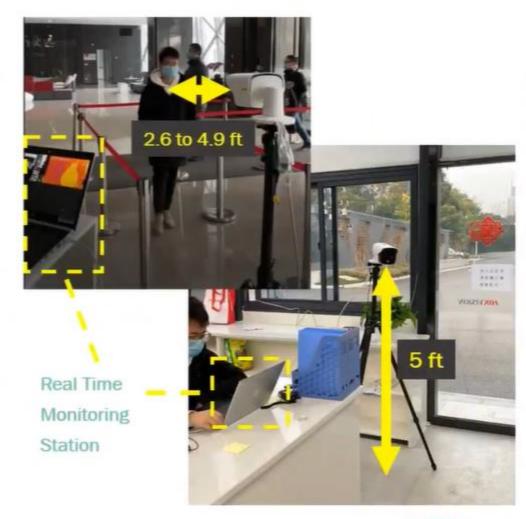




Or permanently mount on the wall at a height of 5.6 to 8.2 ft (1.7 to 2.5 m)

## Short/Mid-Range Solutions — Setup





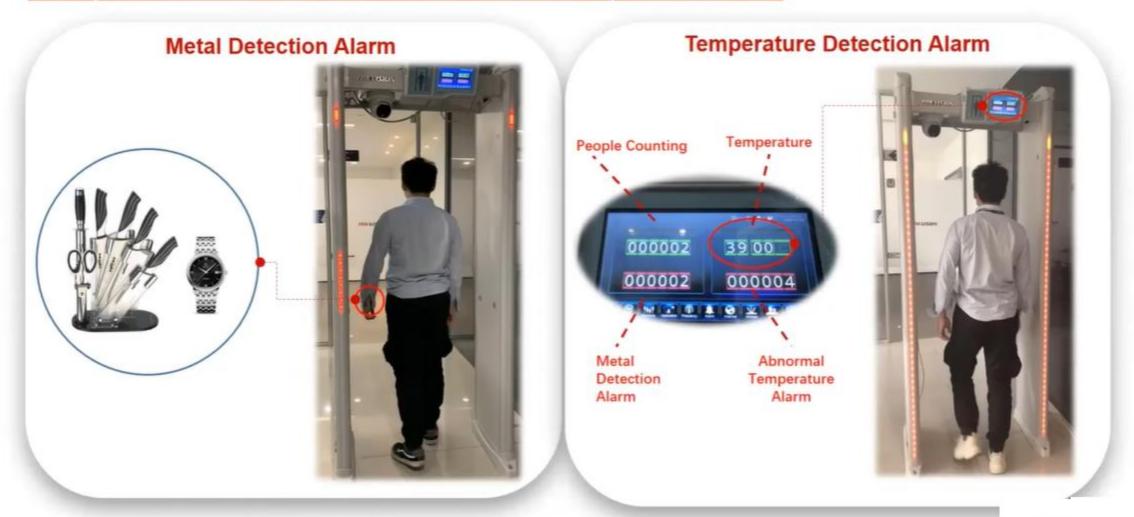


# High Accuracy Thermographic Cameras (With DeepInMind NVR with facial detection)



### Temperature Screening Metal Detector

Comparison between metal detection alarm and temperature alarm







- Calibrator is strongly recommended if calibration is going to be performed in house
- Benefits are that detection is improved by 0.9\* F

Blackbody Calibrator



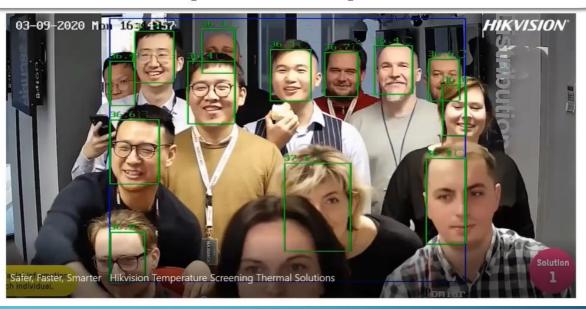
### High Accuracy Thermographic Cameras (With DeepInMind NVR with facial detection)

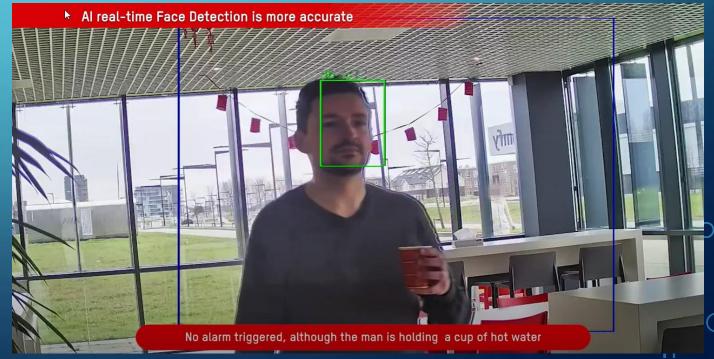


### High Accuracy Thermographic Cameras (With DeepInMind NVR with facial detection)



### **Detects up to 30 People at ONCE**















Tyson

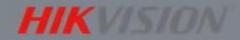




# **REFERENCE MATERIAL:**







Temperature Screening Metal Detector

**Statistics** 

People counting, metal alarm counting, abnormal temperature count, etc.



Metal detector

18 independent detection zones.

Detect metals up to small paper clips.



ISD-SMG318LT-F



High reliability & quality

Modular design of door body.



Dedicated for temperature

Temperature range: 86 F to 113 F.



High accuracy

Temperature accuracy: : ±0.9 °F.



LCD display

Real-time display of statistics and skin-surface temperature.

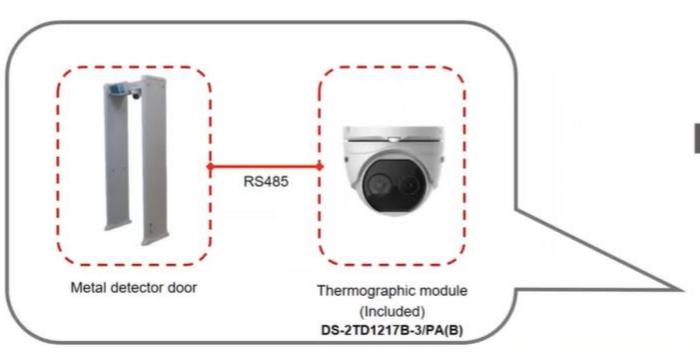




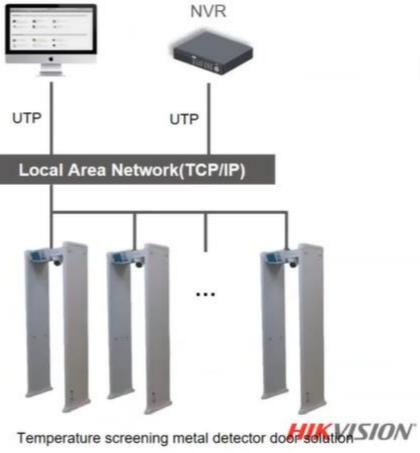
# **Solution Introduction**



Solution topology diagram



Management Center

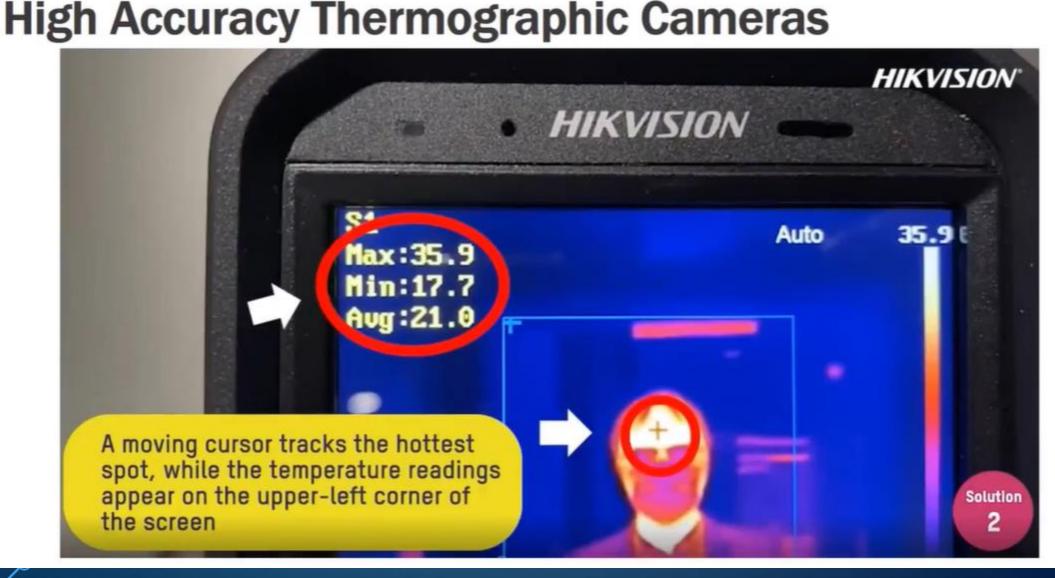


ISD-SMG318LT-F

# Comparison

Brand	HIKVISION	ZKTeco	UNV	
Model	ISD-SMG318LT-F	ZK-D3180S	USS-SC100A-TM-O	
lmage				
Temperature Measurement Technology	Thermal Imaging Technology	Thermopile Technology	Thermopile Technology	
Temperature range	30-45℃ 86*F to 113*	F 30-45℃	35℃~42℃	
Temperature accuracy	No black body:±0.5℃ With black body: ±0.3℃	±0.5℃	±0.5°C	
Temperature Alarm	Alarm triggered when the temperature is over the threshold	Alarm will trigger over 37.3℃	Alarm will trigger when the detected temperature over the set value	
Linkage alarm	Light alarm and audio alarm	Synchronous sound& LED alarm	Light alarm and audio alarm	
Display	7 inch LCD Touch Screen	5.7" LCD display	White&Black Display	
Display content	Number of people passed through Number of Metal alarm triggered Real-time skin-surface temperature Number of abnormal temperature alarm triggered	People counting Body Temperature	Number of Alarm Temperature display	
Metal detection zones	18	18	18	
Metal detection sensitivity	255 sensitivity level	255 sensitivity levels	200 levels (0-200)	
Detection distance	0.5 to 1.5 m 1 ft. to 4 ft	2-5 cm	2-5 cm	
Detection Speed	1s/person	5s/person	5s/person	

### aormographic Can



# **Bottom Line is it's the Best Product on the Current Market!**

# **Product Comparison**

Brand	Hikvision		Dahua		WatchNet / Invid	
Picture	<b>C</b>		67	67		100 a
Model	DS-2TD2636B-13/P	DS-2TD2617B-6/PA	DS-2TD1217B-3/P	DH-TPC-BF5421-T	DH-TPC-BF3221-T	TNC-20-BDC/ AR- BODYTEMPCAM1
Face Detection	Yes (30 at a time)			No (requires NVR)	No (requires NVR)	Yes (16 at a time)
Accuracy	± 0.5°C (0.9°F) w/o BR			± 1°C (1.8°F) w/o BR ± 0.3°C (0.6°F) w/ BR	± 1°C (1.8°F) w/o BR ± 0.3°C (0.6°F) w/ BR	± 0.3°C (0.6°F) w/ BR
Thermal Resolution	384×288	384×288 160×120 (upscale to 320×240)		300x400	256x192	400x300
Thermal Lens	13 mm	6 mm	3 mm	13 mm	3.6/7.1 mm	8 mm
Thermal FOV	37.5°×28.5°	25"×18.7"	50°×37.2°	50.6°×37.8° / 30°×22.6	50.6°×37.8° / 24°×18°	46°×35.3°
NETD	≤ 35 mK @ 25°C, f/1.0 ≤ 40 mK @ 25°C, f/1.1		≤ 40 mK @ 25°C, f/1.1	≤ 50 mK @ 25°C, f/1.1	40 mK @ 26.85°C, f/1.0	
Optical resolution	4MP (2688×1520)			2 MP (1920×1080)	2 MP (1920×1080)	2 MP (1920×1080)
Interface	RJ45 10/100 Mbps Ethernet			RJ45 10/100 Mbps Ethernet	RJ45 10/100 Mbps Ethernet	RJ45 10/100 Mbps Ethernet
Local Storage	Supports 128 GB Micro SD			Supports 256 GB Micro SD	Supports 128 GB Micro SD	None
Tripod Mount	DS-2909ZJ DS-2908ZJ		None	None	None	
Power	12 VDC/24 VAC/PoE, ≤ 9.5 W	12 VDC/PoE, ≤ 8 W	12 VDC/PoE, ≤ 6.5 W	12 VDC/PoE, ≤ 12 W	12 VDC/PoE, ≤ 12 W	12 VDC/PoE, ≤ 10 W
Dimensions	14.10"×4.47"×4.53"	14.10"×4.47"×4.53"	5.45"×5.45"×4.85"	11.02"×4.09"×3.77"	11.02"×4.09"×3.77"	8.34"×7.16"×5.35"
Weight	4.01 lb	3.88 lb	2.07 lb	3.09 lb	3.09 lb	4.4 lb

### Not limited to the markets below / providing communities a safer environment







Education



Healthcare



Manufacturing



Transportation



Gaming



Smart Building



City Surveillance



Hospitality



Banking

# **Case Studies**

### Disneyland Shanghai









