

MONITORING, a NAS

A large, stylized teal arrow points diagonally upwards and to the right, spanning most of the width of the slide.

Synology®

Partner Show



The logos for Dahua Technology, Seagate, and CyberPower are arranged horizontally. From left to right: the Dahua logo (stylized '@' symbol followed by 'ahua' and 'TECHNOLOGY'), the Seagate logo (a stylized 'S' symbol), and the CyberPower logo ('CyberPower' in a bold, white, sans-serif font).

Prowadzący

Maciej Cenkier
Product Manager FEN

Łukasz Skibiński
Support Specialist CCTV/Synology

Jacek Węglarz
Training Manager & Evangelist Dahua

Synology® Partner Show

  SEAGATE 



Tydzien temu...

Konkurs

Pytanie konkursowe

Jaka jest maksymalna ilość sesji
Remote Desktop na routerach
Synology dzięki serwerowi VPN Plus



Plan cyklu webinarów

■ Synology (15.04)

- Dlaczego Synology i po co mi ten NAS?
- Portfolio produktowe
- Narzędzia

■ Seagate (29.04)

- Portfolio produktowe
- IronWolf for NAS
- SkyHawk for CCTV

■ Dahua (22.04)

- DEMO, Surveillance Station oraz DVA
- Visual Station
- System Pomiaru Temperatury Ciała

■ CyberPower (06.05)

- DEMO, czyli jak skonfigurować UPS'a z NAS'em
- Energooszczędne rozwiązania zasilania awaryjnego dla SMB
- Podsumowanie



Nagrody



latarki
miary
kamizelki
kurtki
bidony
plecaki
kubki termiczne
narzędzia instalatorskie
koszulki

Ekstra dodatki

DS1618+

CPU
Czterordzeniowy procesor 2,1 GHz

Opcje pamięci RAM
Pamięć 4GB DDR4 SO-DIMM (możliwość rozbudowy do 32GB)

Wysoka wydajność
2037 MB/s podczas odczytu sekwencyjnego

Typ RAID
Wyższa elastyczność w konfiguracji RAID



DS1819+

CPU
Czterordzeniowy procesor 2,1 GHz z mechanizmem szyfrowania AES-NI

Pamięć
4 GB DDR4 z możliwością rozbudowy do 32 GB

Skalowalność
Do 18 dysków z dwoma urządzeniami DX517

Wydajność
2 045 MB/s podczas odczytu sekwencyjnego i 656 MB/s podczas zapisu¹



Wyświetacz lokalny
HDMI



Wydajność energetyczna
5 W



Niewielkie wymiary
obsługa VESA



Doskonałe parametry



Rozwiązań stworzone z myślą o monitoringu bez komputera PC

VisualStation to doskonałe alternatywne rozwiązanie w przypadku małej ilości miejsca czy ograniczeń budżetowych. Aby skonfigurować stację monitorowania, wystarczy podpiąć kabel Ethernet, podłączyć urządzenie do monitora LCD lub telewizora i zalogować się do aplikacji Synology Surveillance Station.



Synology®
Partner Show







Hello
From
Home!

Jacek Węglarz
Dahua Evangelist

CCTV

AI

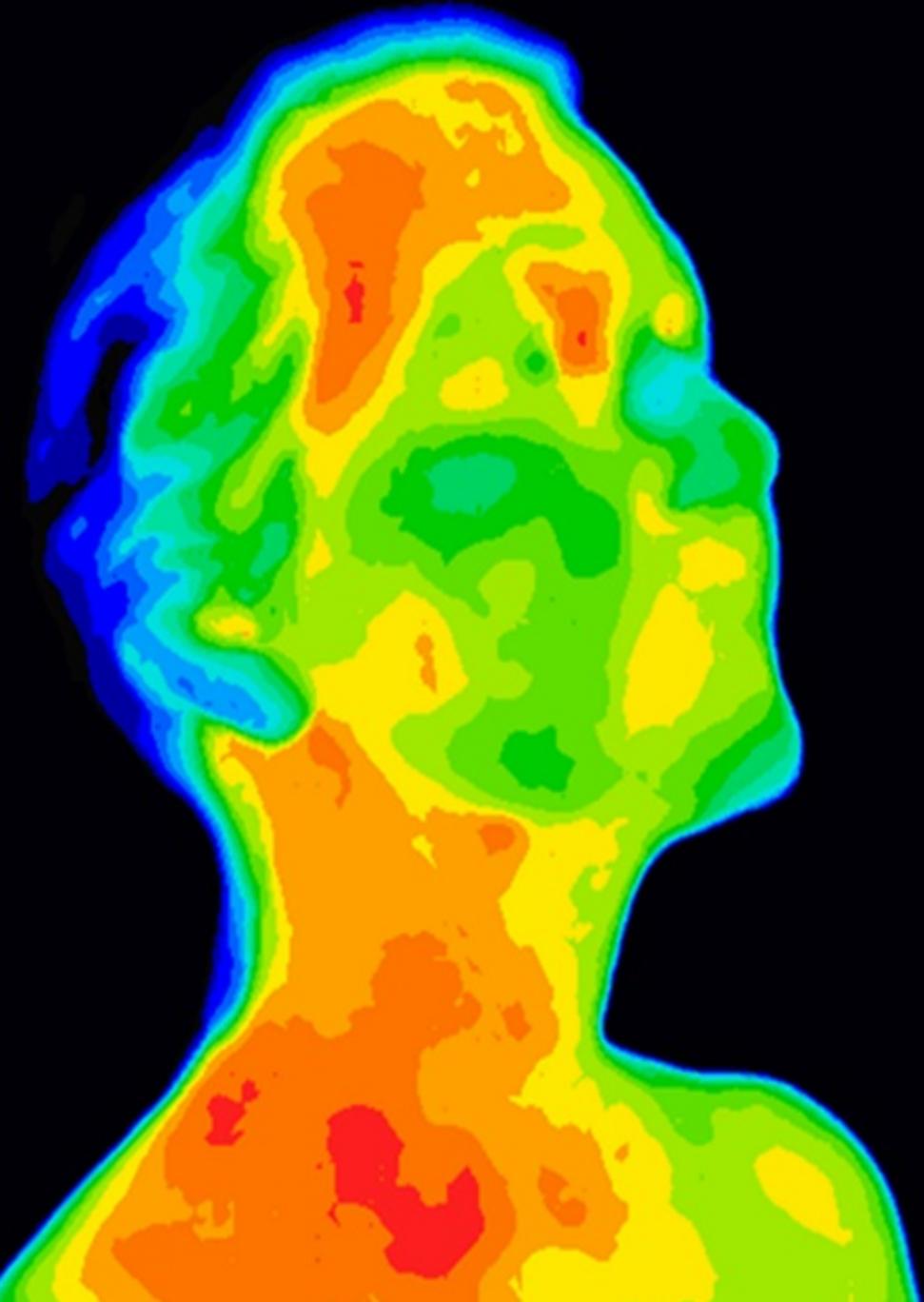
Digital
Signage

Transmission

Access Control

Parking Solutions



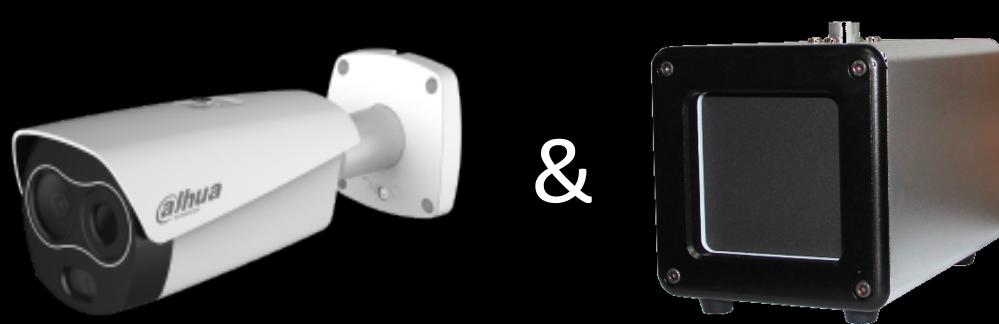


Human Body
Temperature
Measurement Solution



Human Temperature Measurement Solution

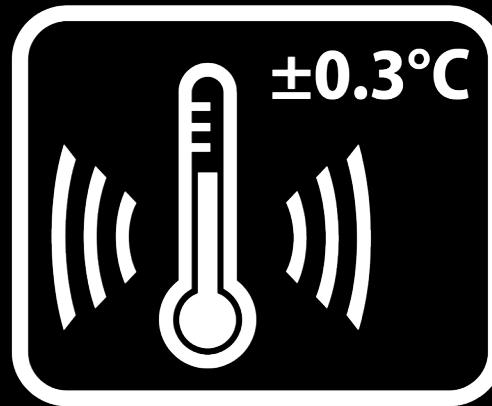
DH-TPC-BF5421P-T
Thermal Camera



Blackbody



Human Temperature Measurement Solution



Human Temperature Measurement Solution





STOW

ORLEN mierzy temperaturę pracownikom

kombinetem. Dwie kolejki przed bramą.

Wystarczy po prostu do końca kolejki

do końca kolejki



18:13, 19.03.2020 | M.W

REKLAMA



Naszą wizytówką
jest wiedza oraz

REKLAMA

Reklamy Google

Nie wyświetlaj tej reklamy

Dlaczego ta reklama? ▶

WIADOMOŚCI



8 osób z podejrzeniem COVID-19, 4 potwierdzone przypadki [RAPORT Z WINIAR]



Fot. czytelnik



Human Temperature Measurement Solution

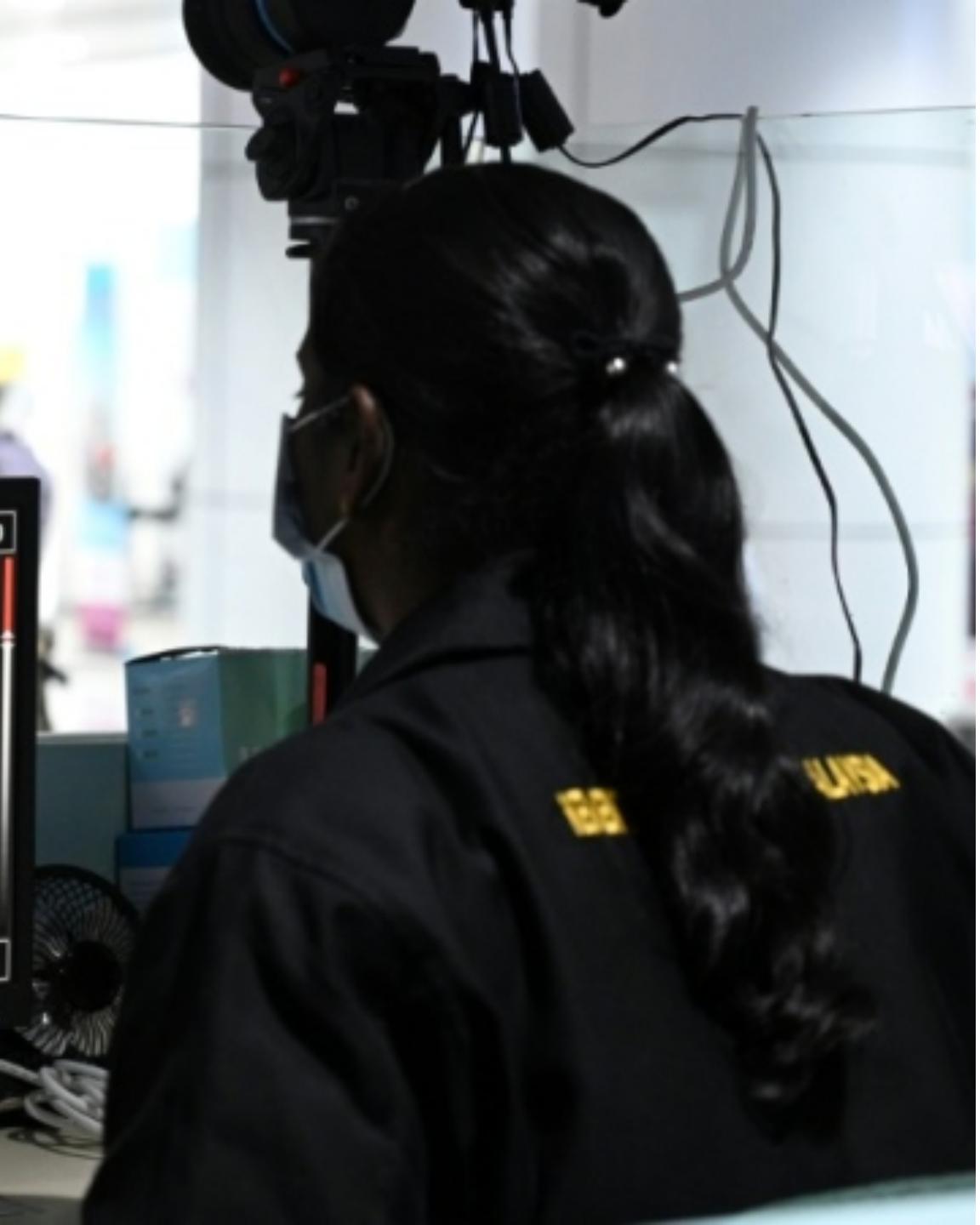


3 cm



3 meters





← Tweet



Paul Mozur 孟建国 ✅ @paulmozur · 28 lut

Many checkpoints in China have thermal cameras that sound an alarm if they detect fevers. The problem is the cameras don't distinguish between people and cups of coffee. Here's my hot beverage getting me into trouble.



2

2

46



Wyszukiwarka Twittera

Powiązane osoby



Niebezpiecznik ✅
@niebezpiecznik

I know your PIN



Paul Mozur 孟建... ✅
@paulmozur

Cover tech in Asia for @NYTimes
so wise I had my mouth sewn shut
pmozur at nytimes.com

Najpopularniejsze dla Ciebie

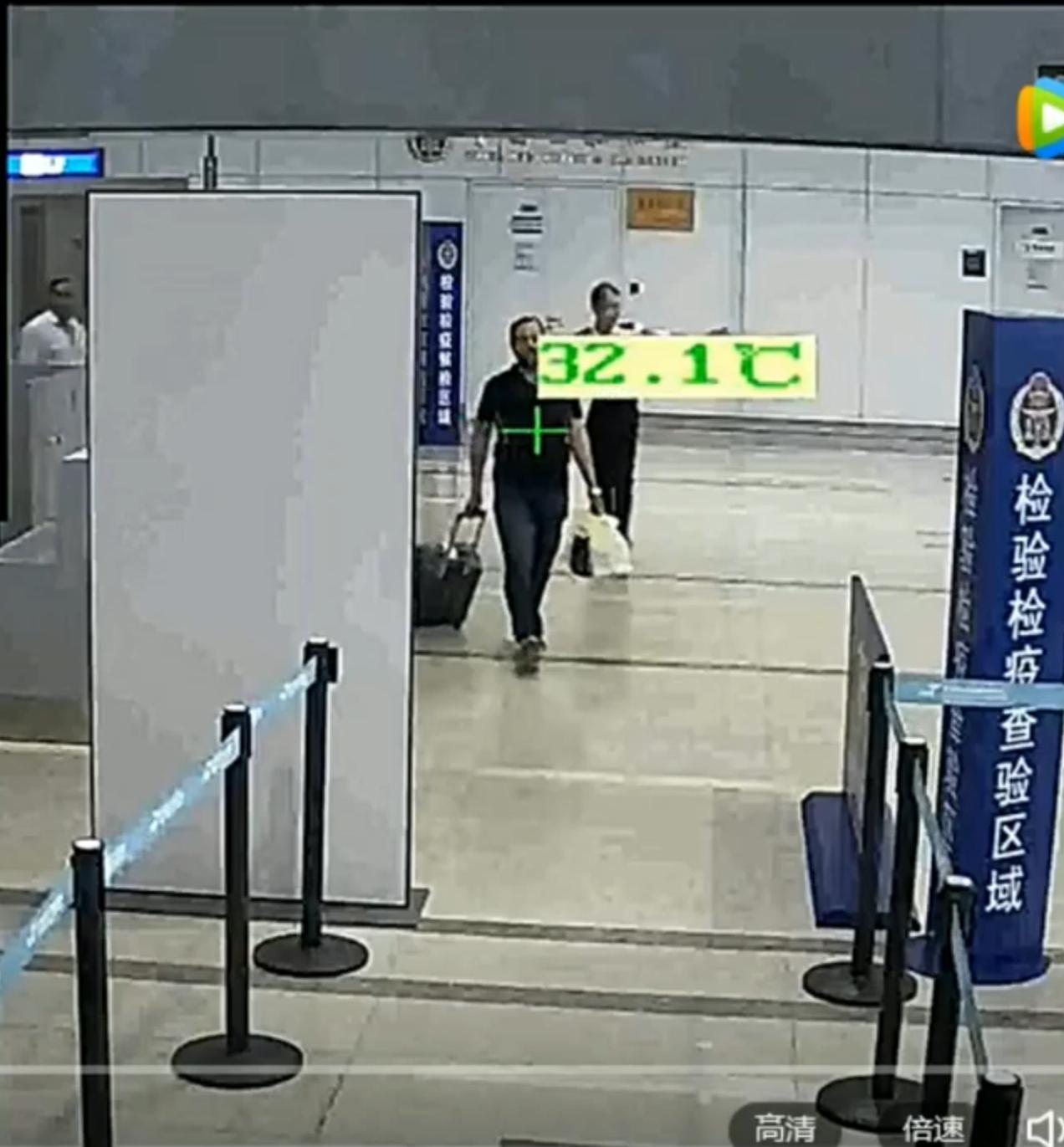
Najpopularniejsze w Polska

#koronawirus

Tweety: 10,8 tys.

Najpopularniejsze w Polska

#Covid_19

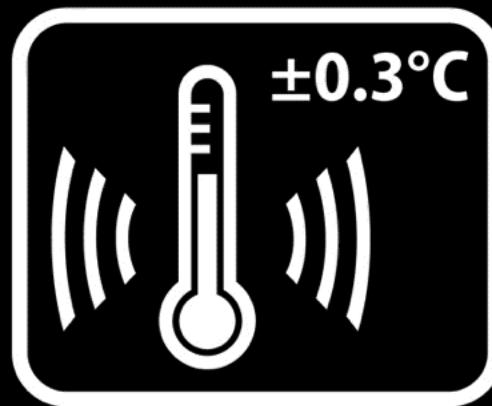


Human Temperature Measurement Solution





Human Temperature Measurement Solution

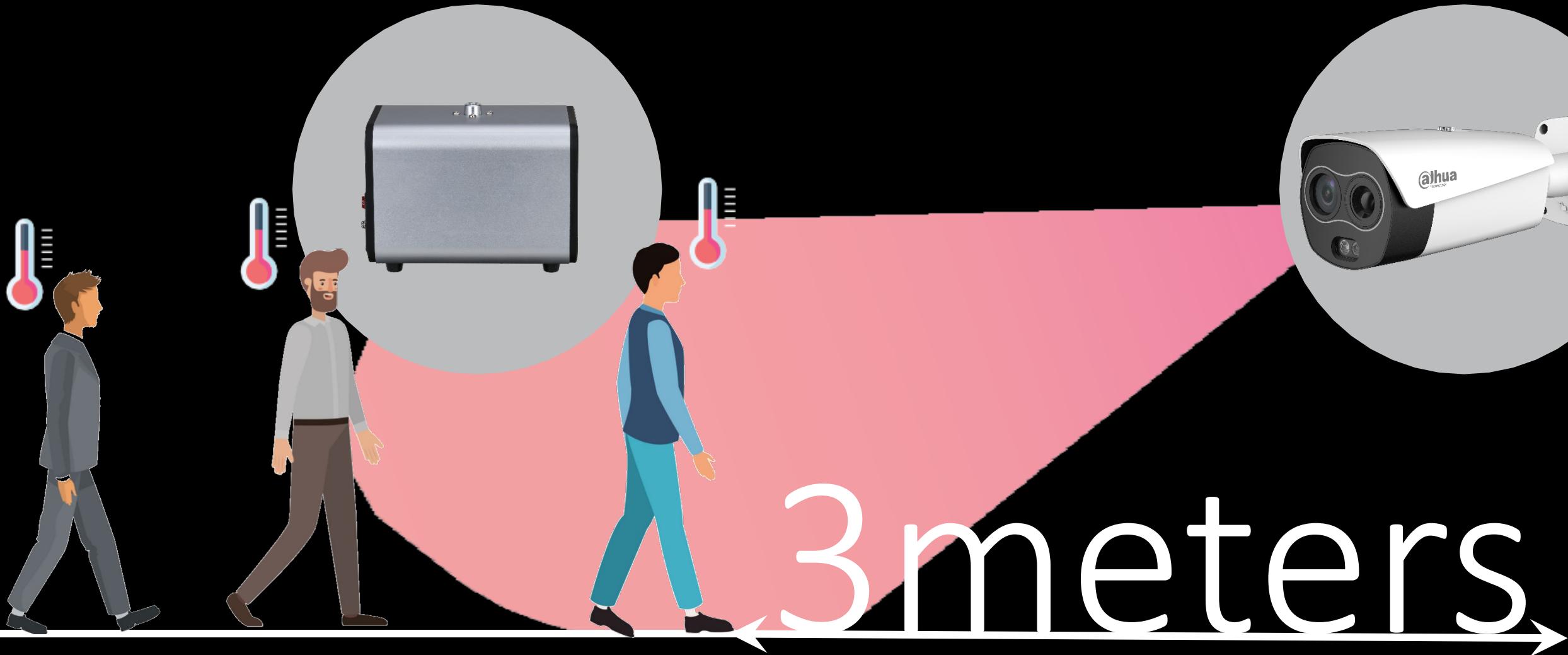


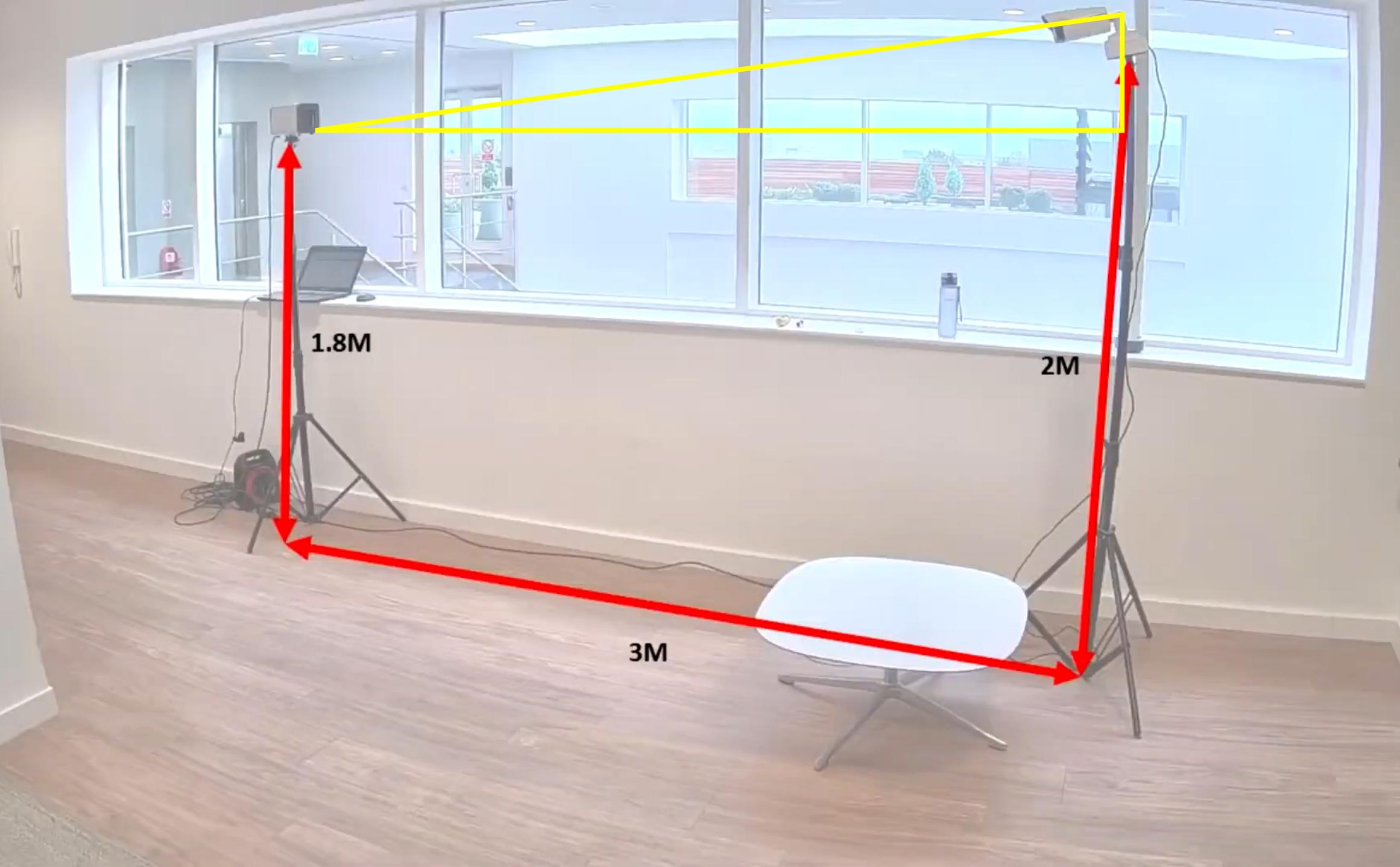


Human Temperature Measurement Solution



3 meters







Human Temperature Measurement Solution



2020-02-10 11:27:02 星期一

15

FACES

热成像



<1
SECOND



2020-03-02 15:21:28 Mon

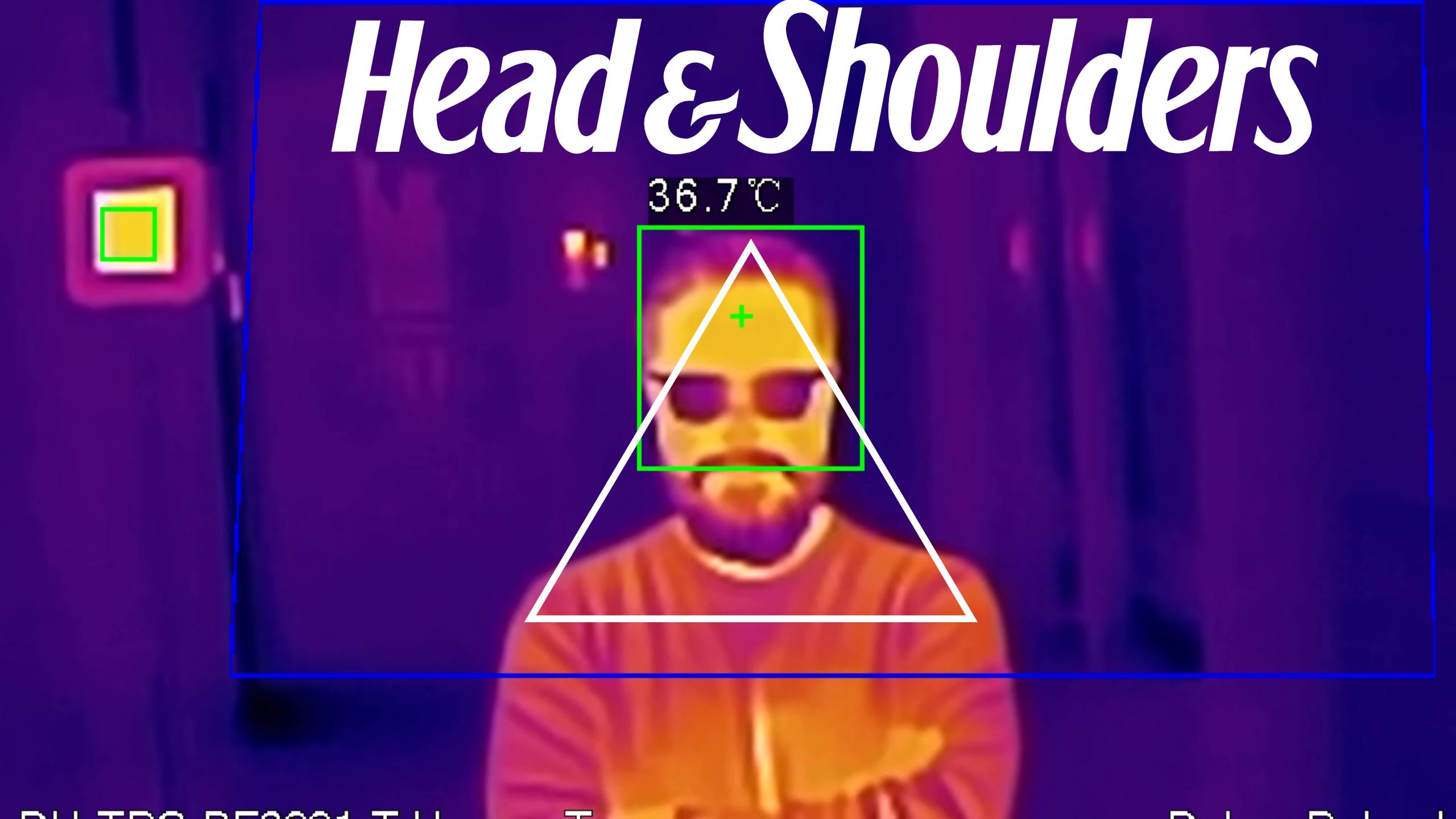


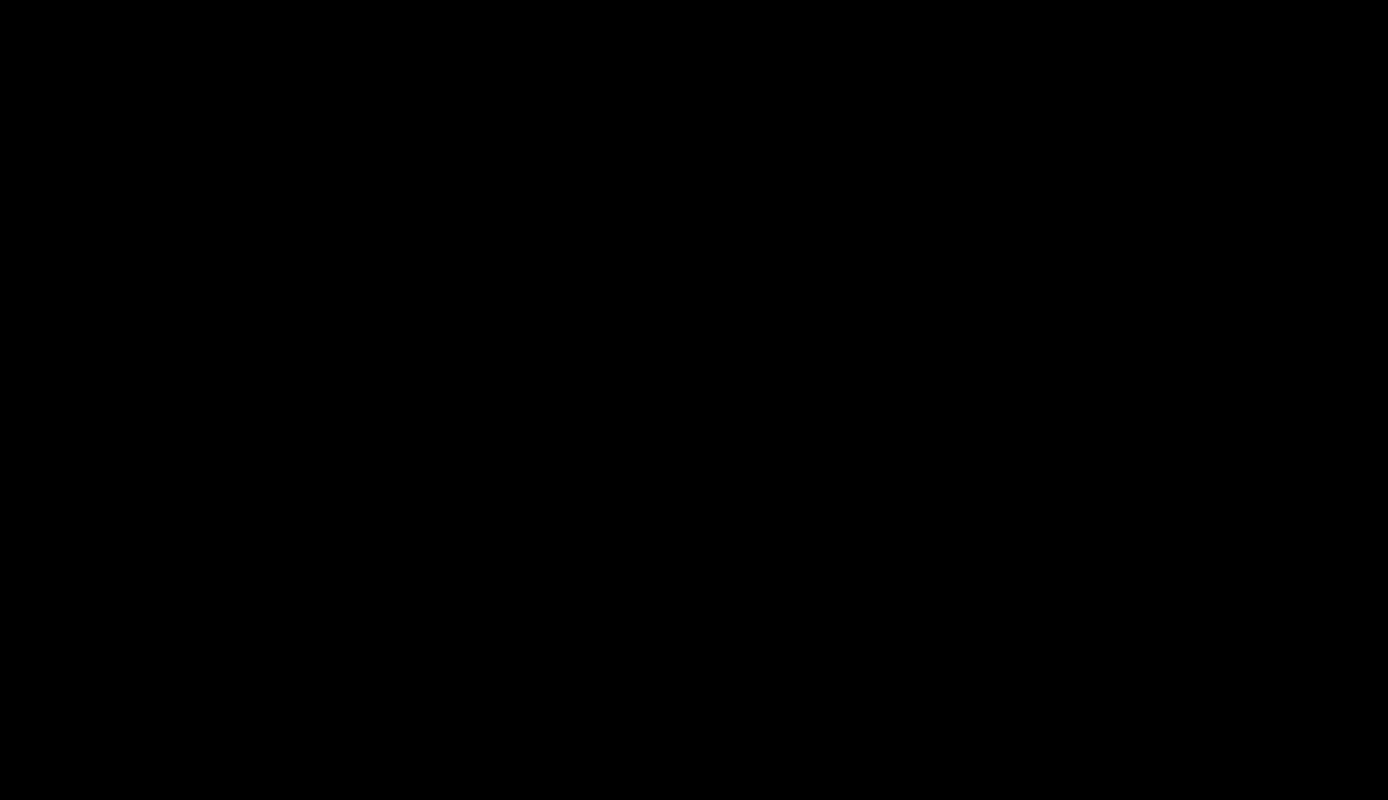
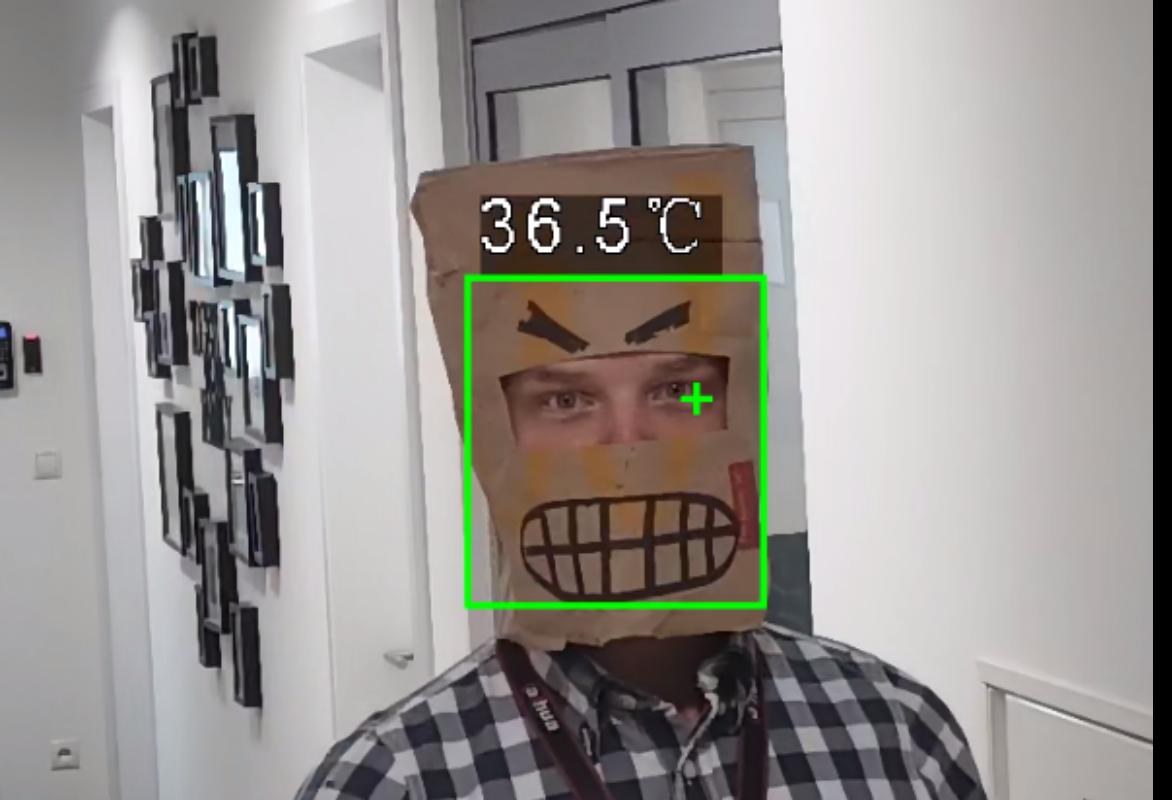
Visual

Smart.

Head & Shoulders

36.7 °C





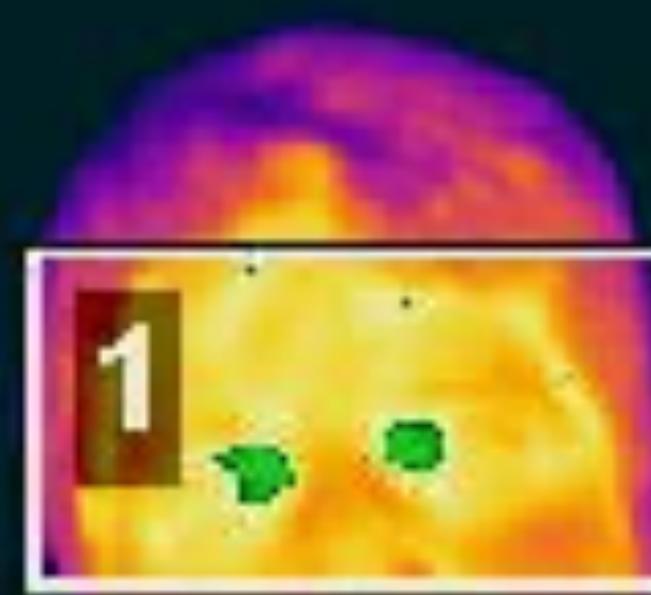


„I Can Do
Science Me”

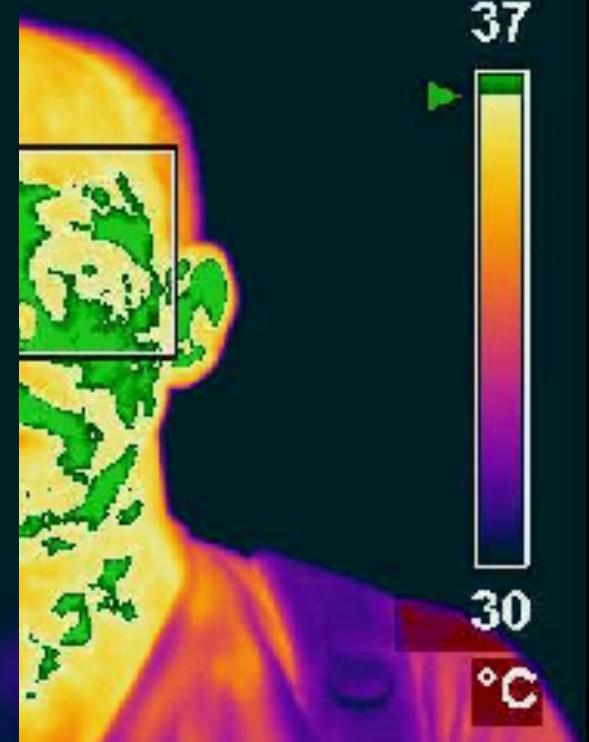
FLIR

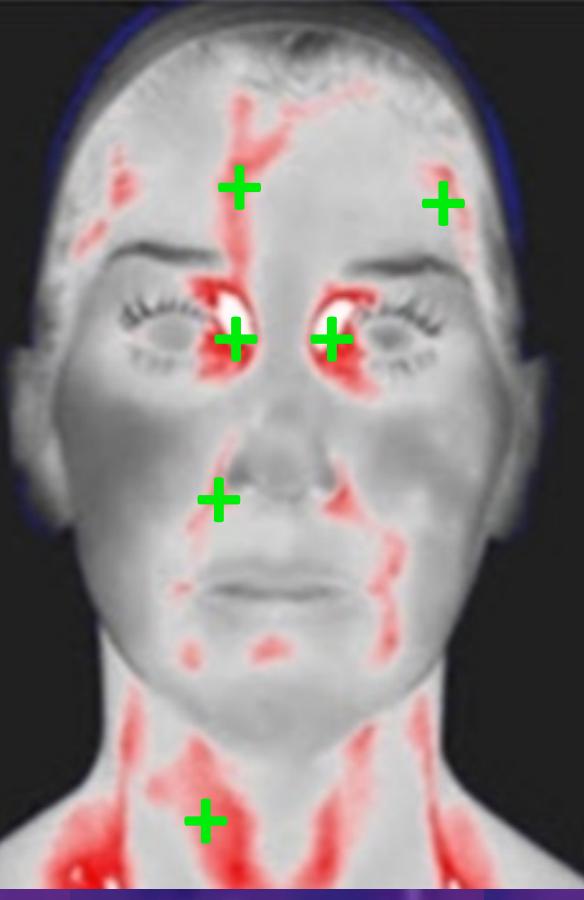


3°

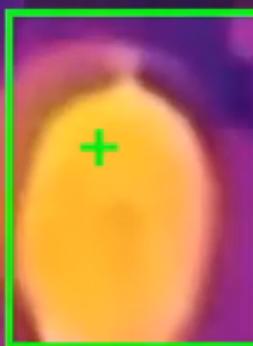


3.2°





36.7 °C



36.5 °C



36.8 °C



36.9 °C

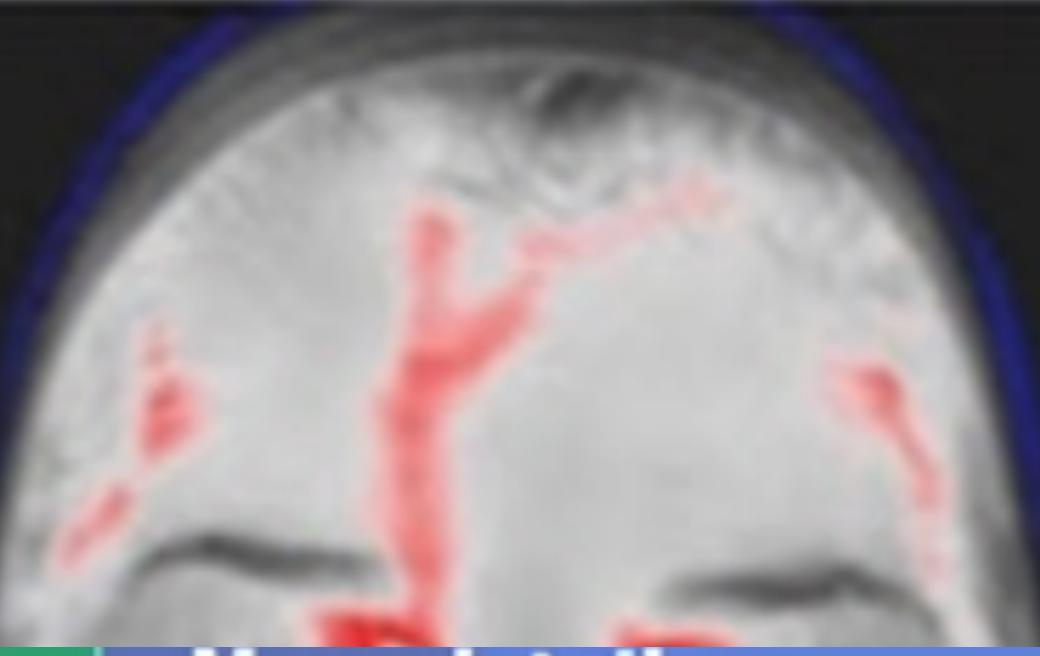


36.1 °C



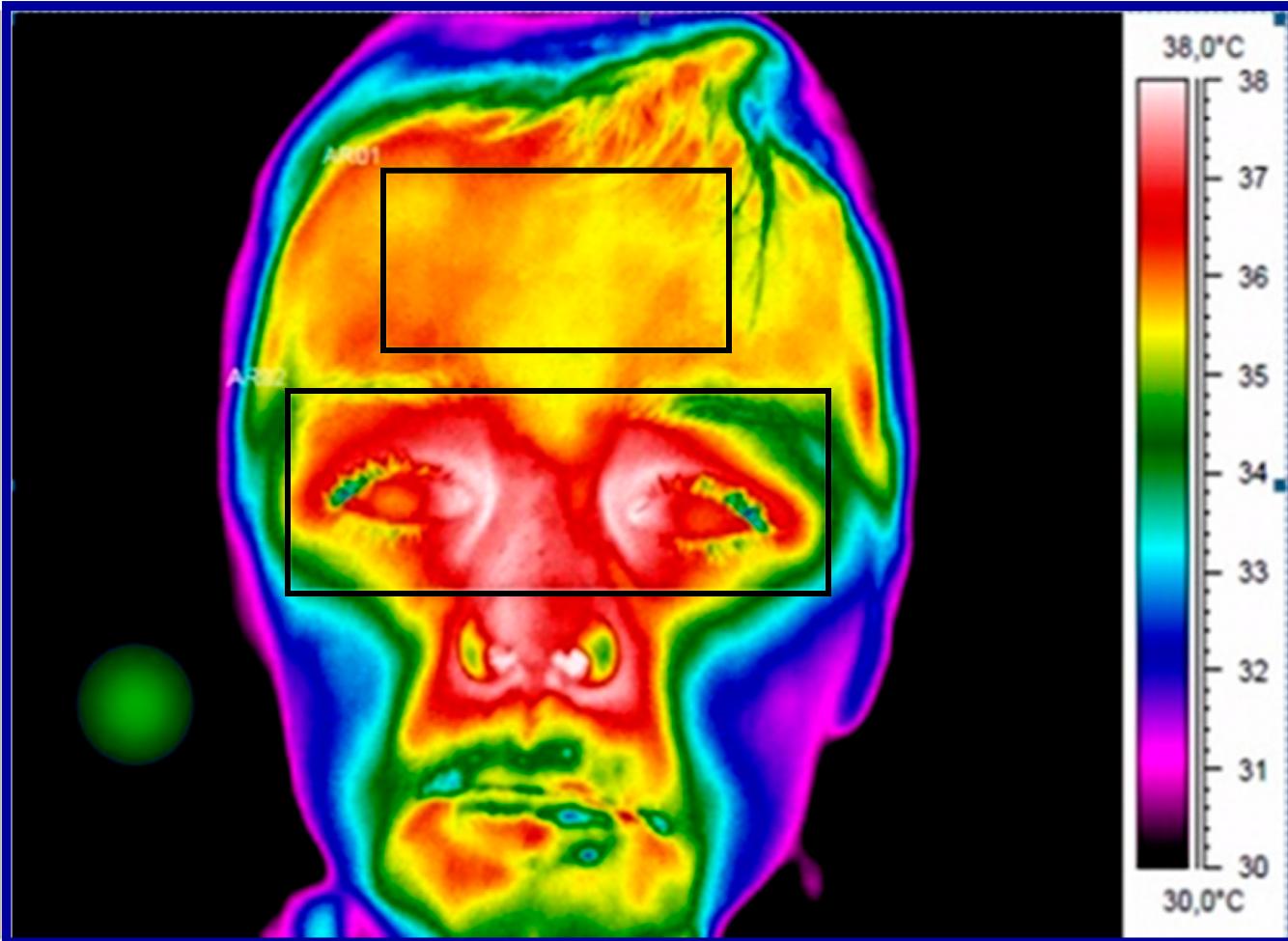
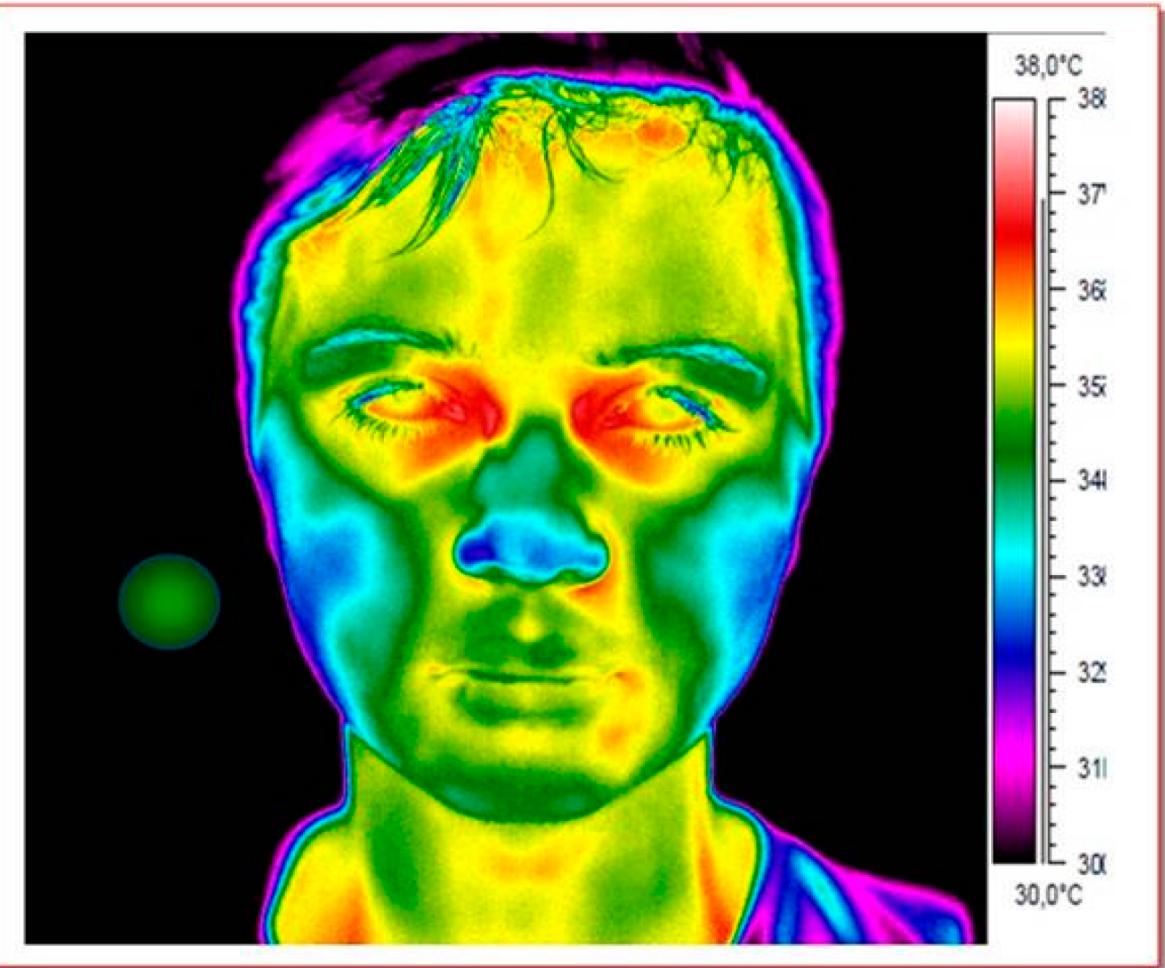
36.8 °C





More details:
Body temperature
Facial recognition result
Mask detection

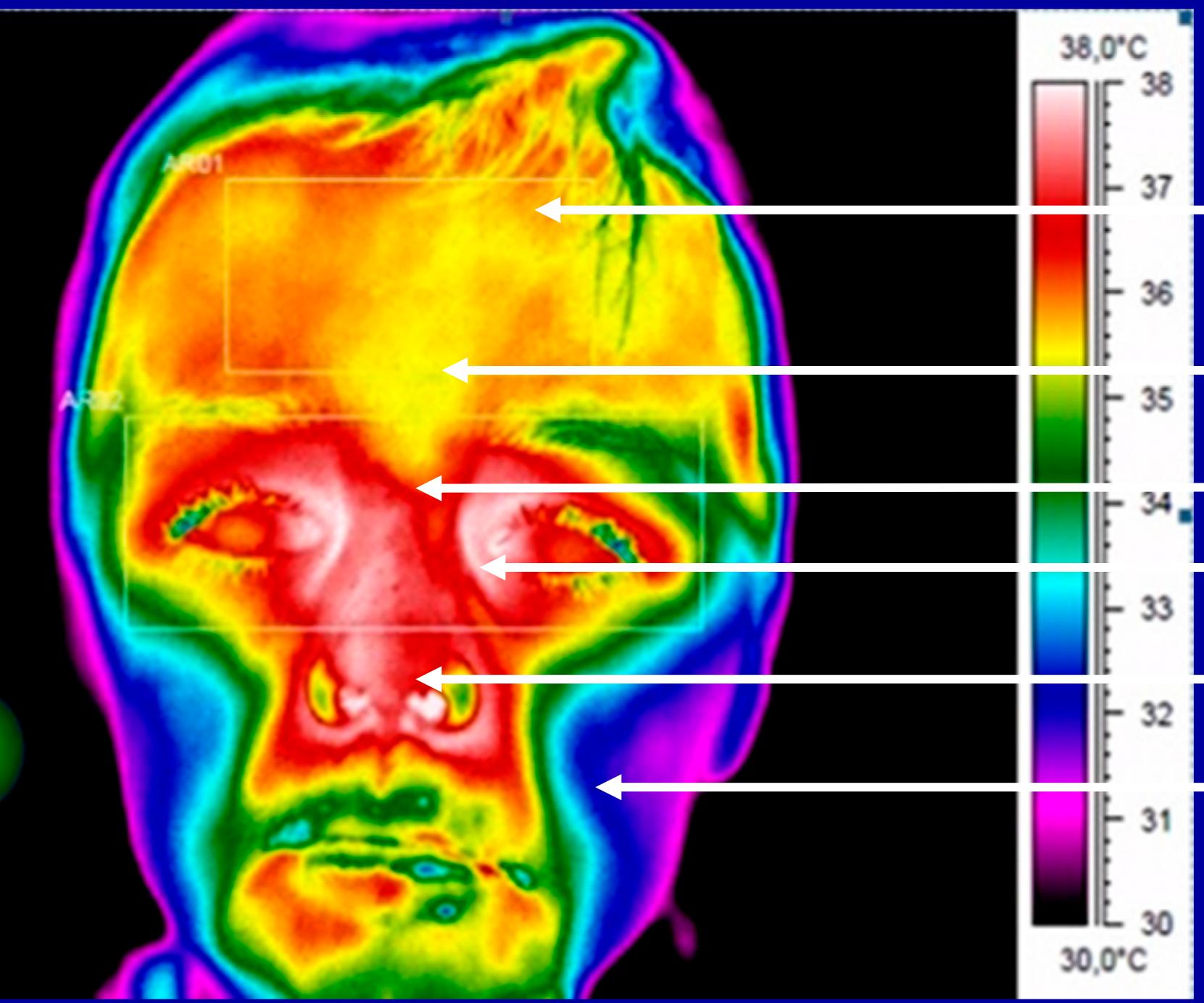
(Please ensure thermal cameras could capture people's forehead effectively)

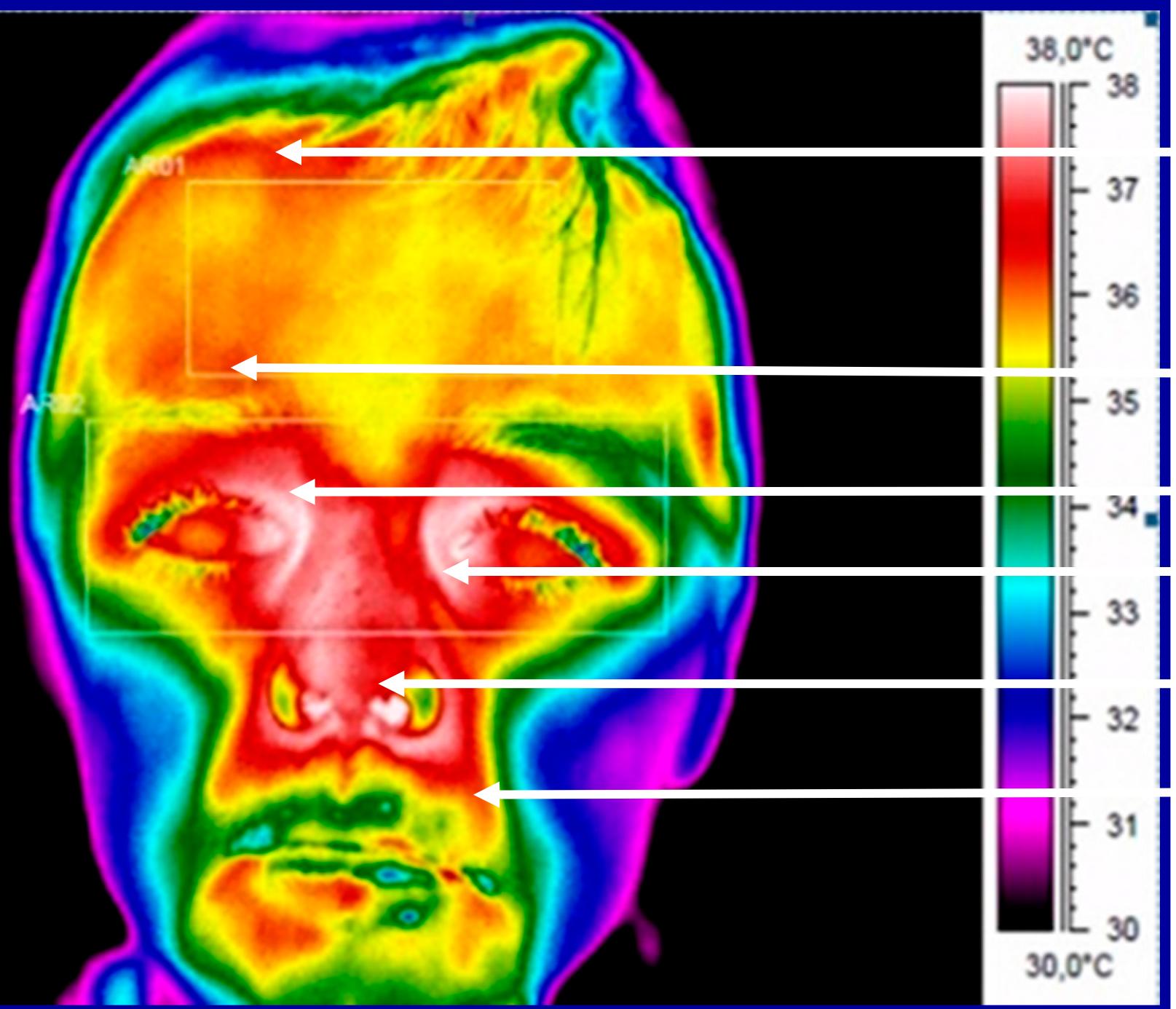


ing, E.F.J.; Jung, A.; Kalicki, B.; Zuber, J.; Rustecka, A.; Vardasca, R. Infrared thermal imaging for fever detection in children. In *Medical Infrared Imaging Principles and Practices*; Diakides, M., Bronzino, J.B., Peterson, D.R., Eds.; CRC Press: Boca Raton, FL, USA, 2013; Chapter 23

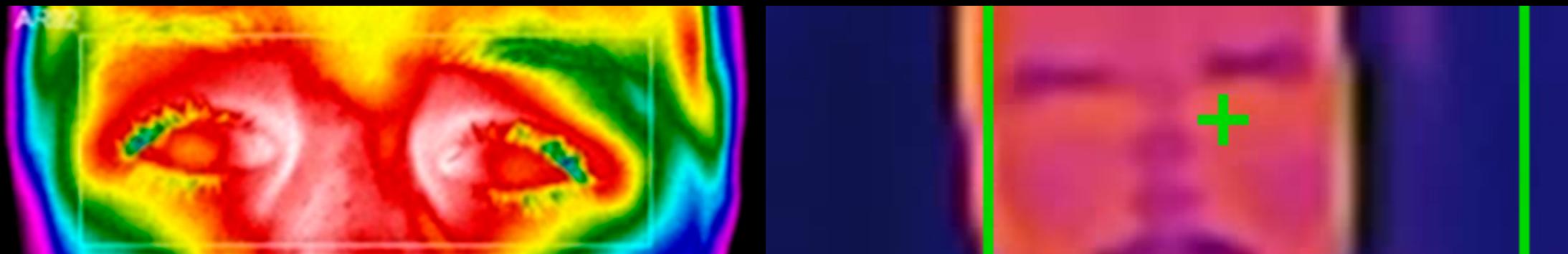
Black Body???







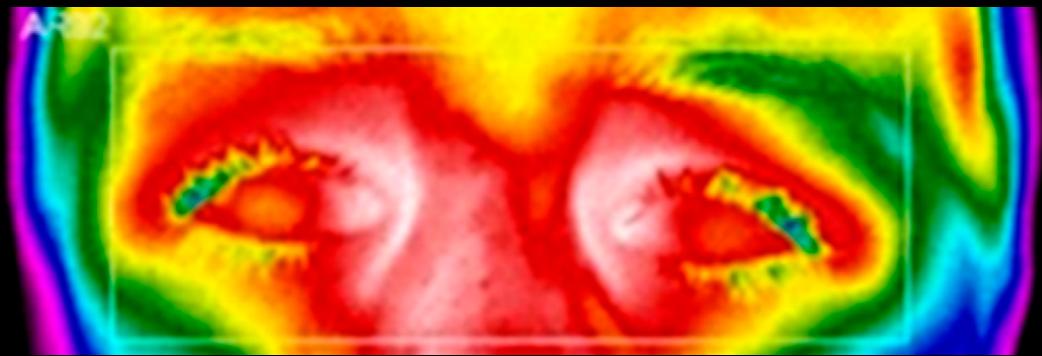
The truth is in the eyes



ICS > 11 > 11.040 > 11.040.55

ISO/TR 13154:2017

Medical electrical equipment – Deployment, implementation and operational guidelines for identifying febrile humans using a screening thermograph

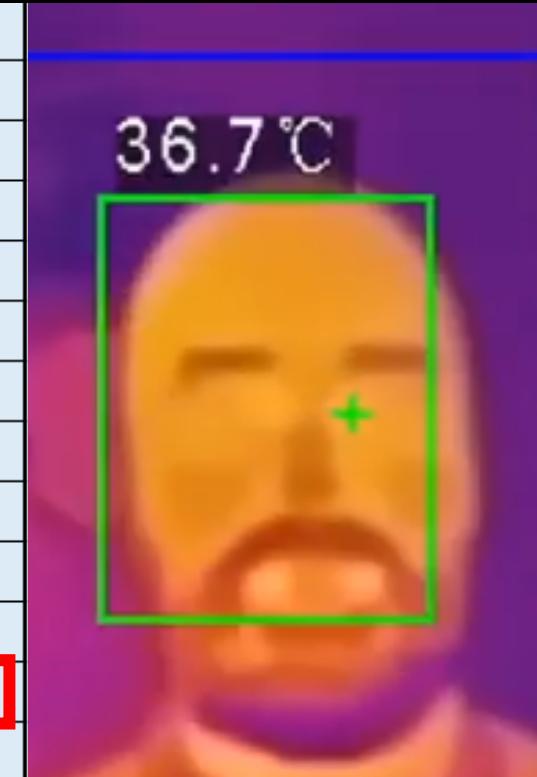


45 pixels

Dahua DH-TPC-BF5421P-T

400x300/F1.0/13mm/40mK

Angle H:	30
Angle V:	22,6
How far is the object [m]	3
Scene width [m]	1,61
Scene height [m]	1,20
Forehead width pixels	38
Forehead height pixels	58
Forehead size in pix [H x V]	2195
Eye size pix [H x V]	46
Eye corner size pix [H x V]	11,4



Challenge: Mask + Hat



2020-03-03 11:06:55 Tue



Visual

Challenge:
Covering most of the face
(eg. balaclava)



2020-03-03 11:19:38 Tue

35.8 °C



Even a Helmet!



2020-03-03 11:01:50 Tue



Challenge: **Hot Drink + Mask + Glasses + Hat**





Paul Mozur 孟建国 ✅ @paulmozur · 28 lut

Many checkpoints in China have thermal cameras that sound an alarm if they detect fevers. The problem is the cameras don't distinguish between people and cups of coffee. Here's my hot beverage getting me into trouble.



2

2

46



Wyszukiwarka Twittera

Powiązane osoby



Niebezpiecznik ✅

@niebezpiecznik

I know your PIN

Obser



Paul Mozur 孟建... ✅

@paulmozur

Obser

Cover tech in Asia for @NYTimes so wise I had my mouth sewn shut pmozur at nytimes.com

Najpopularniejsze dla Ciebie

Najpopularniejsze w Polska

#koronawirus

Tweety: 10,8 tys.

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Najpopularniejsze w Polska

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Tweety: 10,8 tys.

Najpopularniejsze w Polska

#Covid_19

2020-03-03 11:31:34 Tue



DH-TPC-BF3221-T Human Temp

Dahua Poland

2020-03-03 12:15:17 Tue



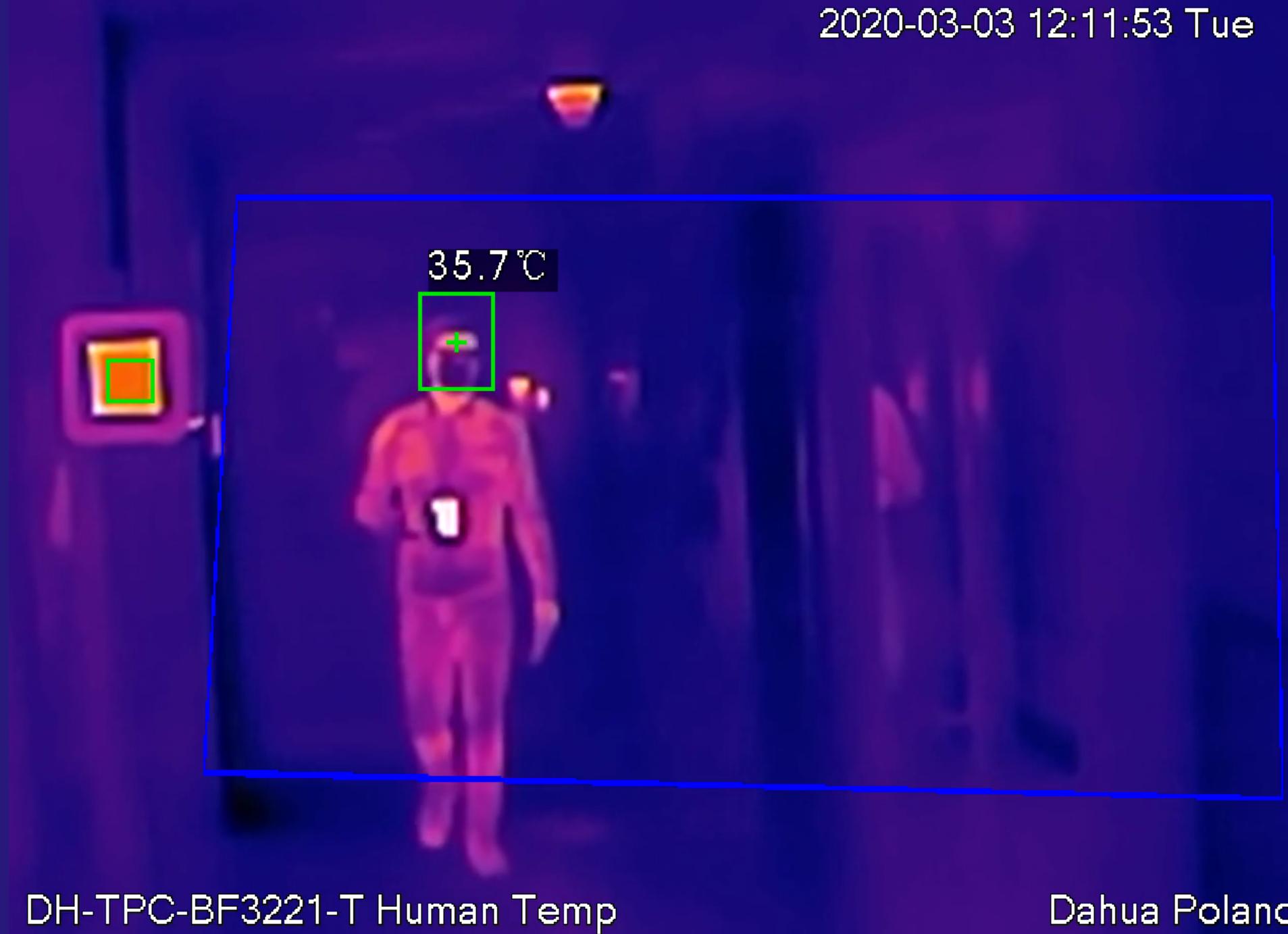
DH-TPC-BF3221-T Human Temp

Dahua Poland

2020-03-03 12:18:16 Tue



2020-03-03 12:11:53 Tue



DH-TPC-BF3221-T Human Temp

Dahua Poland

PRODUCTS



DH-TPC-BF5421-T

Thermal Network Bullet Camera



System Overview

Featuring a fixed lens bullet camera, this series provides an all-in-one solution that is especially beneficial for body temperature measurement.

Functions

Uncooled VOx Technology

Dahua thermal cameras use uncooled VOx sensor technology. Their small size and better performance make them a cost-effective solution for thermal security.

High Sensitivity

High thermal sensitivity (<40 mK) allows cameras to capture more image details and temperature difference information.

Protection

The camera allows for wide input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6kV lightning rating provides effective protection for both the camera and its structure against lightning.

Body Temperature Measurement

Dahua thermal cameras characterized by non-contact, multi-objective, rapid, and no risk to temperature testers, etc. It can be conveniently deployed in public places with dense personnel, and can be used for efficient and safe preliminary screening of temperature anomalies.

Technical Specification

Thermal

Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	400 × 300
Pixel Pitch	17 μm
Spectral Range	8 μm~14 μm
Thermal Sensitivity (NETD)	<40 mK
Focal Length	13 mm

Field of View	13 mm: horizontal: 30°, vertical: 22.6°
Focus Mode	Fixed-focal
Aperture	F1.0
Digital Detail Enhancement (DDE)	Yes
Thermal Image Stabilization	Electronic Image Stabilization

AGC	Auto; manual
Noise Reduction	2D NR; 3D NR
Image Flip	90°/180°/mirror
Color Palettes	18 color modes selectable such as Whitehot/Blackhot/Ironbow/Icefire.
Temperature Measurement Range	30°C~+45°C

Temperature Accuracy	Max ±0.3°C with blackbody Max ±1°C without blackbody
Temperature Mode	Spot: 12 Line: 12 Area: 12 Support 12 rules simultaneously
Visible	
Image Sensor	1/2.8" 2M CMOS
Effective Pixels	1920(H)×1080(V)

Electronic Shutter Speed	1/1''~1/30,000s
Min. Illumination	Color: 0.002Lux; B/W: 0.0002Lux; 0Lux (IR on)
IR Distance	35m
IR On/Off Control	Auto/Manual
IR LEDs	1

Focal Length	8mm
Max Aperture	F1.9
Angle of View	H: 40° V: 22°
Audio and Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG

Resolution	Thermal Main stream: (1280 × 1024)/768/640 × 480/256 × 192@), 1280 × 960 by default; Sub stream: (640 × 512/256 × 192@), 256 × 192 by default Visible Main stream: (1920 × 1080/1280 × 720/704 × 576@), 1920 × 1080 by default; Sub stream: (704 × 576/352 × 288@), 352 × 288 by default
Audio Compression	G.711a; G.711mu; AAC; PCM
Image Encoding Format	JPEG
General Function	

Two-way Talk	Yes
Network Protocol	HTTP; TFTP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DODS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP
Region of Interest (ROI)	Yes
Edge Storage	FTP; Micro SD card (128G, hot plug)
Interoperability	ONVIF; CGI; Dahua SDK

Browser	IE: IE8 and later, and explorer with IE core; Google: 42 and the earlier; Firefox: 42 and the earlier; Safari: 10 and the earlier
User/Host	20 channels at most (the total bandwidth 64M)
Security	Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1x; controlled network access
User Management	Support 20 users at most and users are classified as two groups-administrator group and user group.
Malfunction Detection	Network disconnection; IP addresses conflict; SD card error (status or storage space)

Port	
Analog Video Output	1 channel of CVBS output with BNC port
Network	1 10M/100M Ethernet port (RJ-45)
Alarm Input	2 channels
Alarm Output	2 channels

Audio Input	1 channel
Audio Output	1 channel
Alarm Linkage	SD card recording/on-off output/siren and light/email/PTZ/snapshot
Alarm Event	Motion detection/privacy mask/audio detection/SD card abnormality/network abnormality/anti-burn warning
RS-485	1 channel

Power	
Power Supply	12V±20% DC, 1.2A, PoE (802.3af, ePoE)

Power adapter excluded
Protect the chip under the cover

Accessories



V. anti-electrostatic 8KV
B. anti-electrostatic 15KV

280.0 [11.02"]

176 mm [14.37"] × 6.89"

98.80 [3.9"]

266.50 [10.49"]

103.5 [4.07"]

95.8 [3.77"]

70 [2.76"]

4.5 [0.17"]

70 [2.76"]

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103.5 [4.07"]

95.8 [3.77"]

70 [2.76"]

103.5 [4.07"]

95.8 [3.77"]

70 [2.76"]

DH-TPC-BF5421P-T

The Star!



What's
Important?

VISUAL

Resolution
Sensitivity
Pixel Size
Aperture
Sensor Size

THERMAL

Resolution
NETD
Pixel Pitch
Aperture
Sensor Type

DH-TPC-BF5421P-T

400x300

<40mK

17μm

F1.0

VoX

THERMAL

Resolution

NETD

Pixel Pitch

Aperture

Sensor Type

DH-TPC-BF5421P-T

The Star!

Vox uncooled focal plane detector

400x300



F1.0

<40 mK

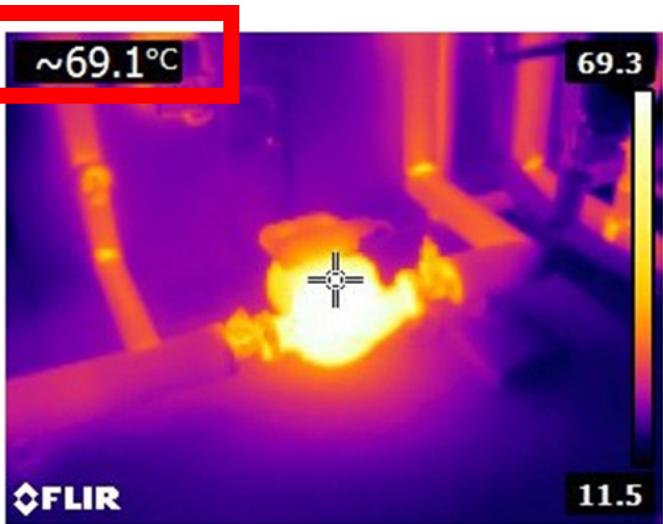
Why Is That
Awesome?



80 x 60 Pixel Resolution



120 x 90 Pixel Resolution

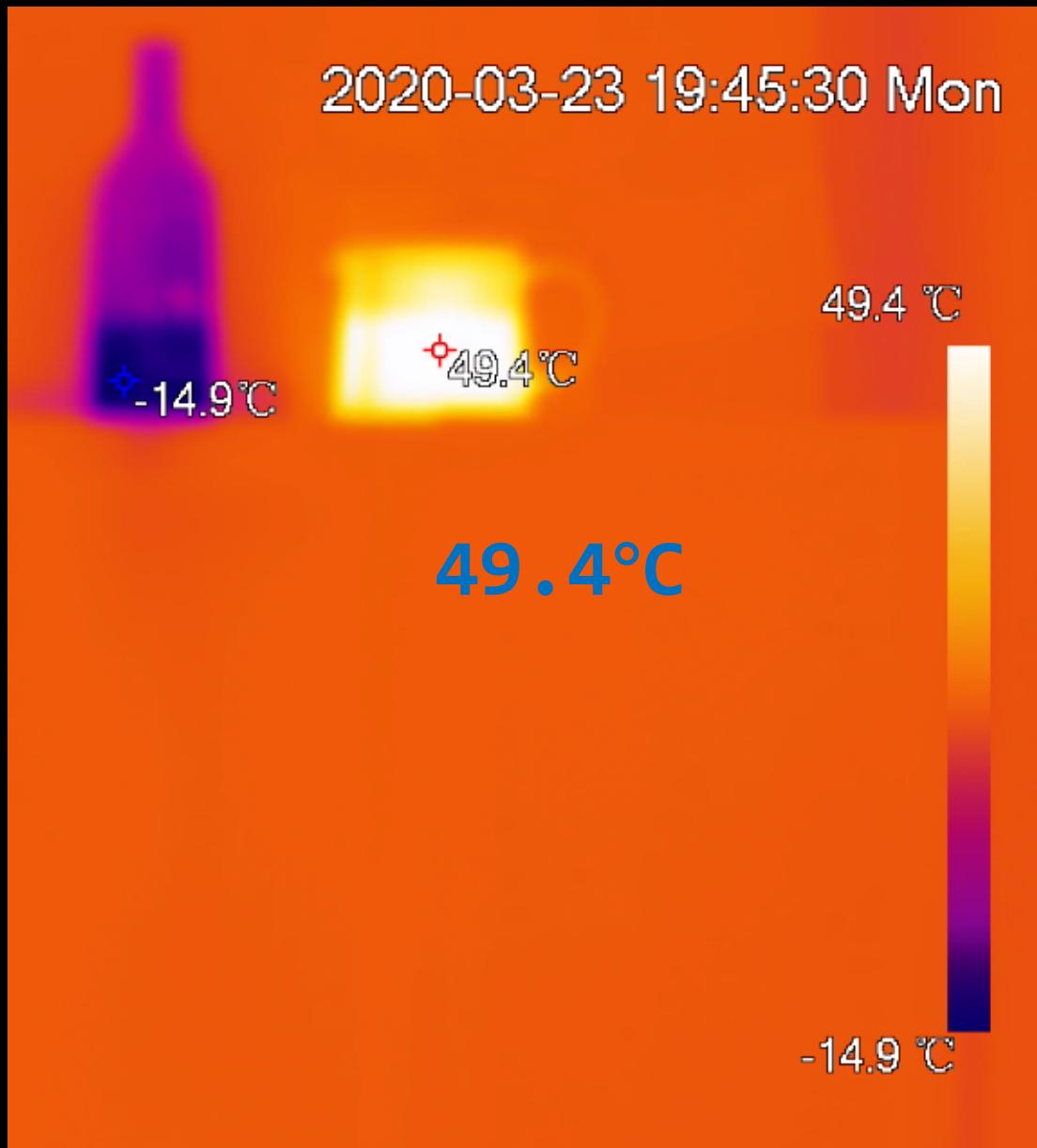


160 x 120 Pixel Resolution

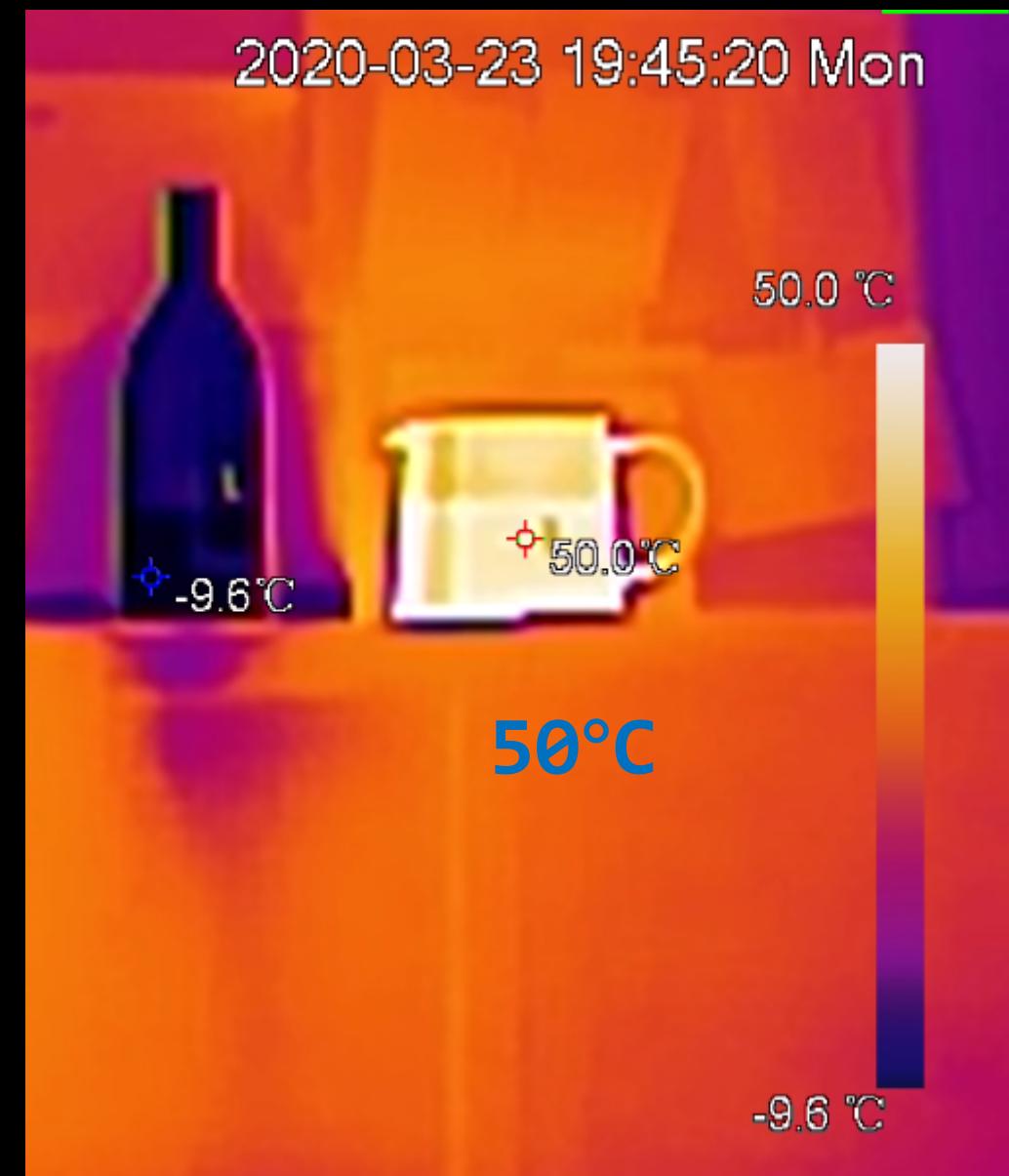


320 x 240 Pixel Resolution

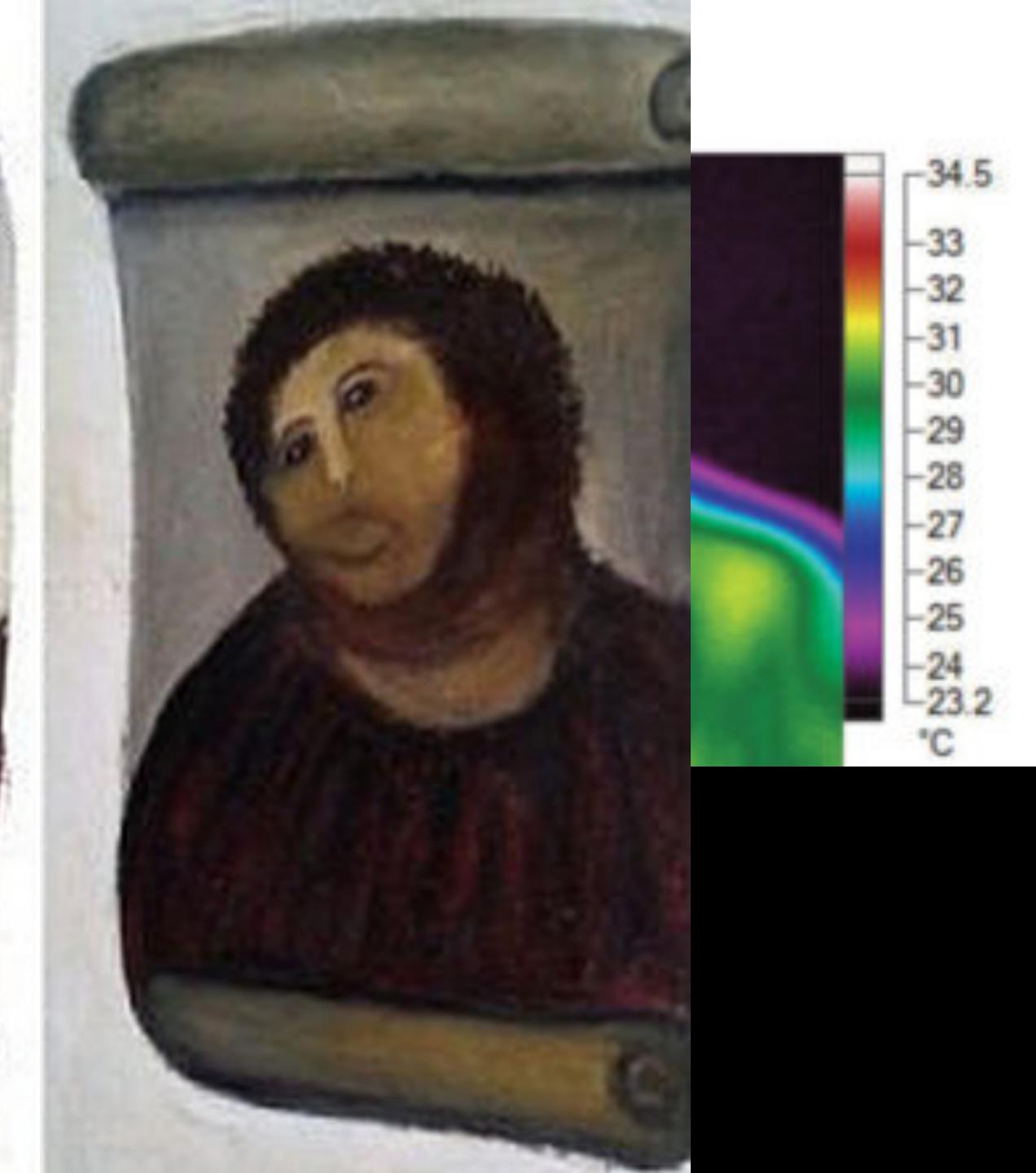
160x120



400x300



Individual 2:





400x300



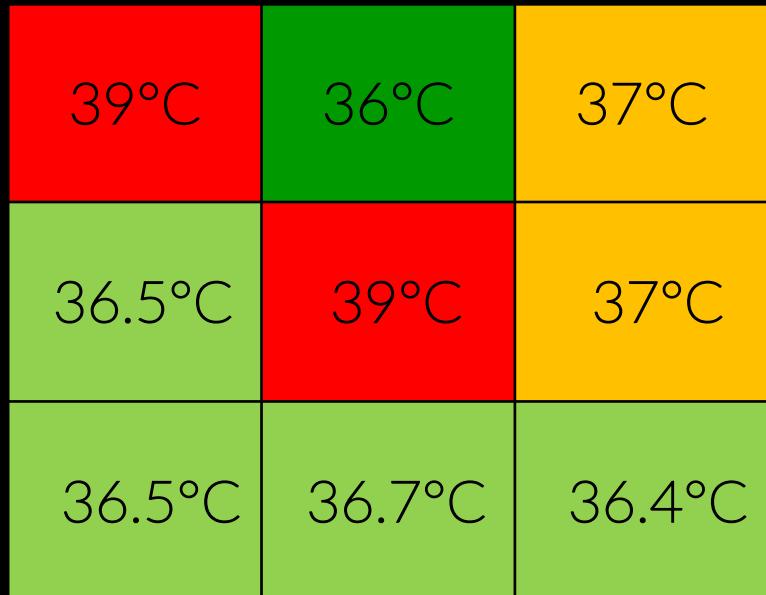
160x120



400x300



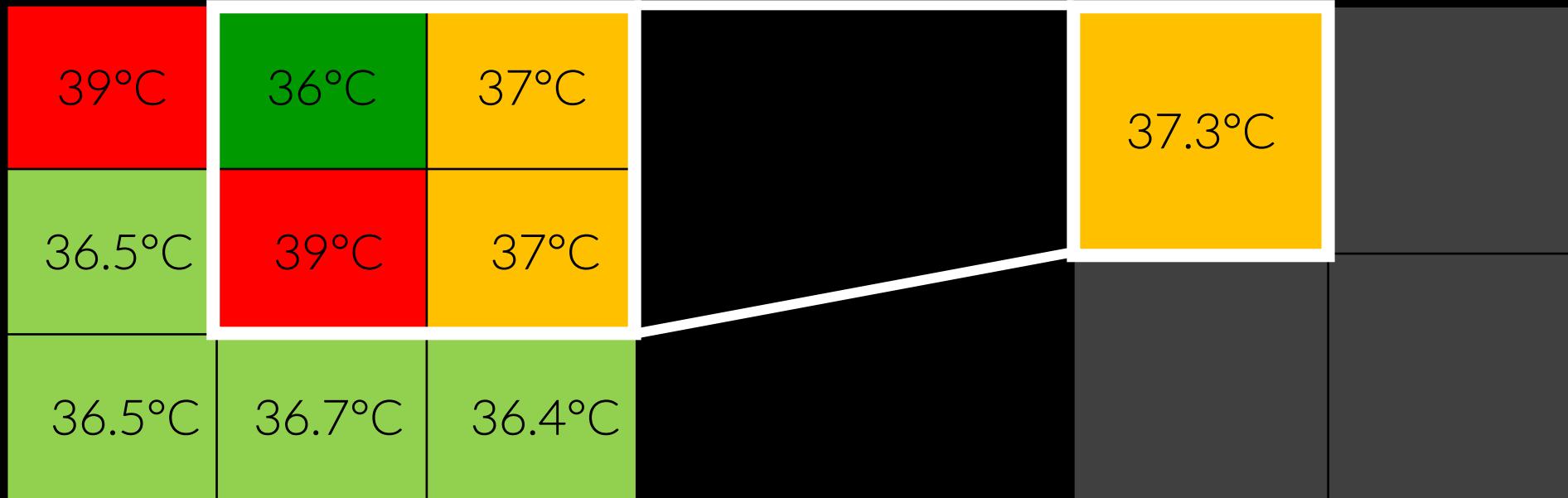
160x120



???

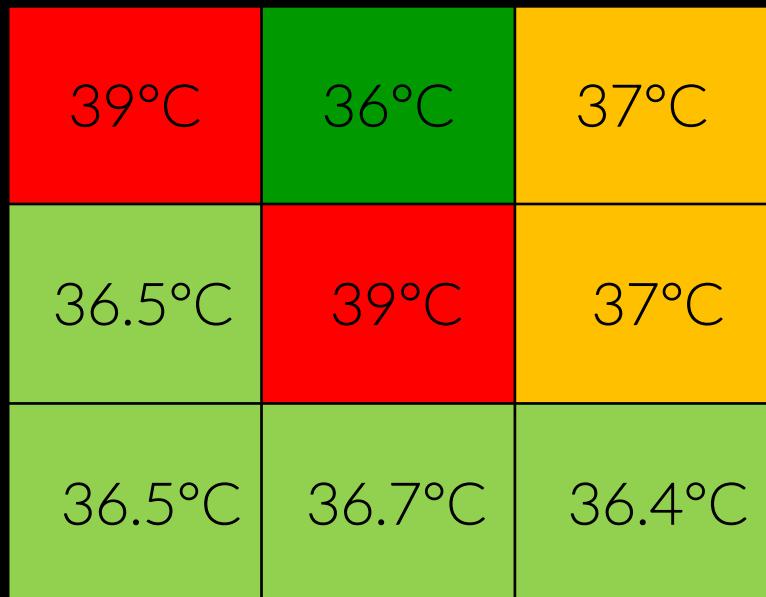
400x300

160x120



400x300

160x120



400x300



160x120

39°C	36°C	37°C
36.5°C	39°C	37°C
36.5°C	36.7°C	36.4°C

400x300



160x120

Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	400 × 300
Pixel Pitch	17 μm
Spectral Range	8 μm–14 μm
Thermal Sensitivity (NETD)	≤40 mK
Focal Length	13 mm
Field of View	13 mm: horizontal: 30°, vertical: 22.6°
Focus Mode	Fixed-focal
Aperture	F1.0

NETD	Less than 40 mK (@25°C,F#=1.0)
Focal Length	7.5mm
Aperture	F1.6

Lens "light" calculator		
F number of lens 1:	1.60	
F number of lens 2:	1.00	
Lens 2 provides 256% of light comparing to lens 1		

Thermal Sensitivity (NETD)	$\leq 40 \text{ mK}$
Focal Length	7.5 mm; 1/2.8
Aperture	F1.0

40mK

NETD	Less than 40 mK (@25°C,F#=1.0)
Focal Length	7.5mm
Aperture	F1.6

102.4mK

Thermal Sensitivity (NETD)	≤40 mK
Focal Length	7.5 mm; 1/2.8
Aperture	F1.0

0.04°C

NETD	Less than 40 mK (@25°C,F#=1.0)
Focal Length	7.5mm
Aperture	F1.6

0.10°C

Camera

Image sensor	Uncooled Micro bolometer 336x256 pixels, Pixel size 17 µm, Spectral range: 8-14 µm
Lens	9 mm: F 1.25 horizontal field of view: 35°, min. focus distance: 2.1 m (8.7 in) 19 mm: F 1.25, horizontal field of view: 17° view, min. focus distance: 9.5 m (354.3 in)
Detection range	The size of a monitored object is recommended to cover at least 10x10 pixels in 336x256.
Sensitivity	NETD < 50 mK

Thermal image sensor

Uncooled microbolometer, 336 x 252 pixels, Pixel Pitch 17 µm, IR range 7,5 to 13,5 µm

Sensitivity NETD (thermal resolution)

Typ. 50 mK < 79 mK (50 mK is equal to temperature changes of 0,05°C)

Detector	
Detector Material	UFPA microbolometer. Asi
Spectral Range	8~14 µ m
Pixels	384×288
Pitch	25 µ m × 25 µ m
NETD	<100mk@30°C
Thermal Response Time	7ms

VOx



a-Si



A still from the movie Austin Powers in Goldmember showing Austin Powers (Mike Myers) in a bright orange suit and polka-dot shirt, looking slightly off-camera with a serious expression.

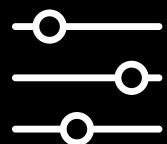
Nerd alert.

DH-TPC-BF5421P-T

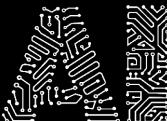
The Star!



Hybrid – Full HD/400x300, F1.0, <40mK



Pre-Calibrated



AI Powered

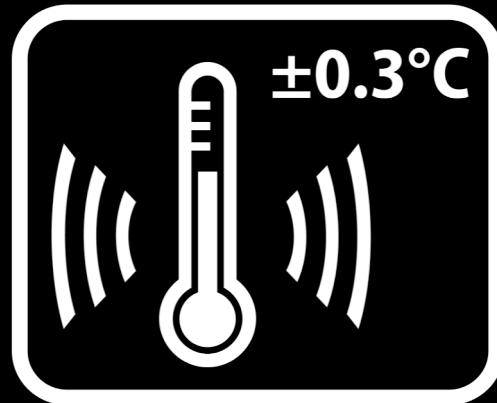


Strobe & Speaker





Human Temperature Measurement Solution



Black Body



BLACK BODY?



A KOMU TO POTRZEBNE?

Why Do We Need
Black Body?

Accuracy.

Emissivity

Reflected ambient temperature

Transmittance

Atmosphere temperature

Camera response

Total Error = $\sqrt{\Delta T_1^2 + \Delta T_2^2 + \Delta T_3^2}$...etc

$\pm 2^{\circ}\text{C}$ - 2% Accuracy

Laboratory Measurements
 $\pm 1^{\circ}\text{C}$ - 1% Accuracy

Laboratory Measurements

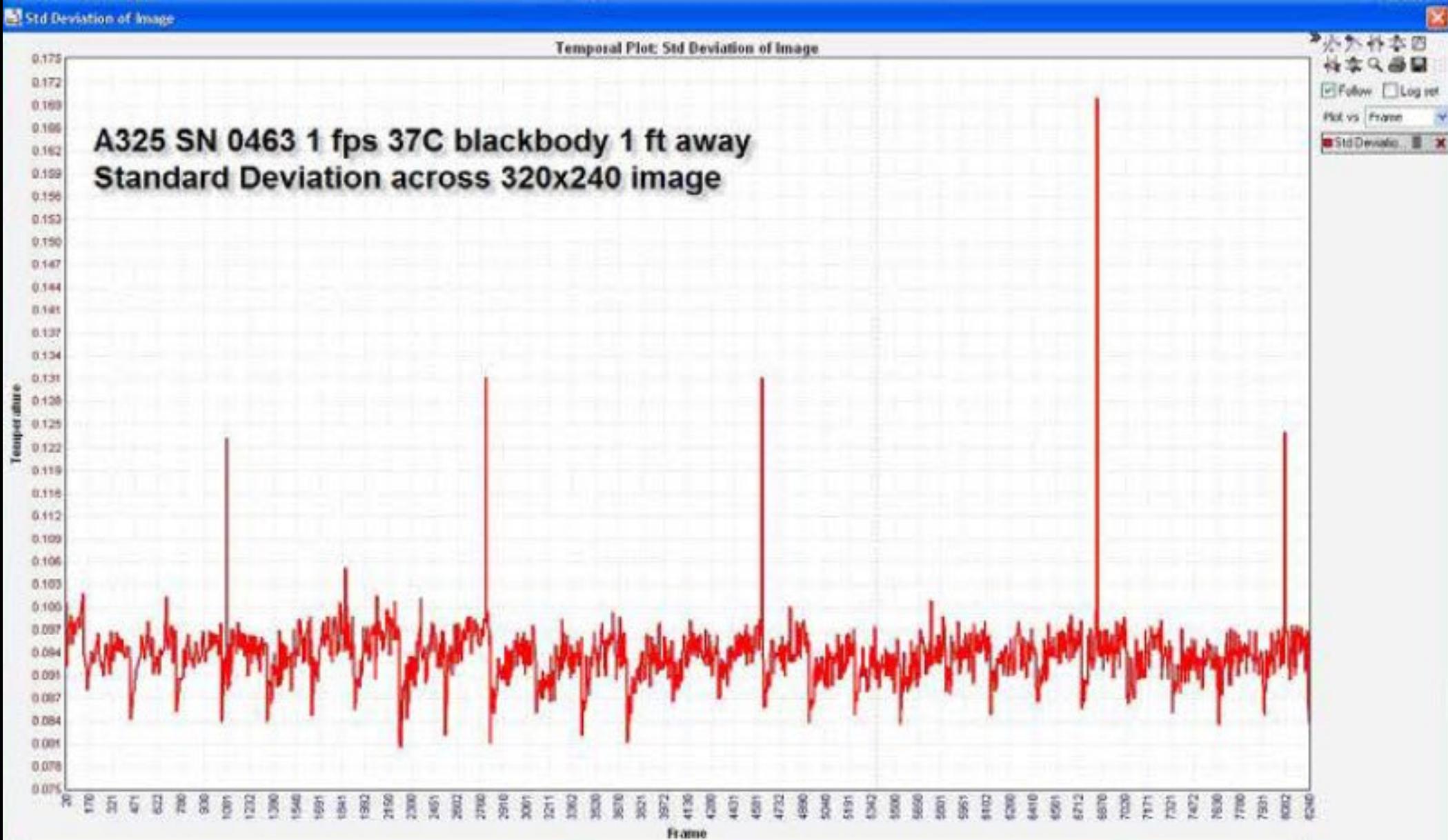
$\pm 1^{\circ}\text{C}$ - 1% Accuracy





Accuracy	$\pm 1^\circ\text{C}$ or $\pm 1\%$ of reading*
Detector Type	FLIR Indium Antimonide (InSb)
Dynamic Range	14-bit
Integration Time	270 ns to 687 sec
NETD	<20 mK
Optional Temperature Range	Up to 1,500°C (2,732°F) Up to 2,000°C (3,632°F)
Resolution	640 x 512

150.000USD!!!



Most points between 36.8°C and 37°C. The widest ranging temperatures recorded were 36.6°C and 37.2°C. But it's AVERAGE of ALL pixels. Not single point. 0.3m away

Temper

Temper

“You’re annoying”

“Nobody likes you”

You Don't Need
Black Body

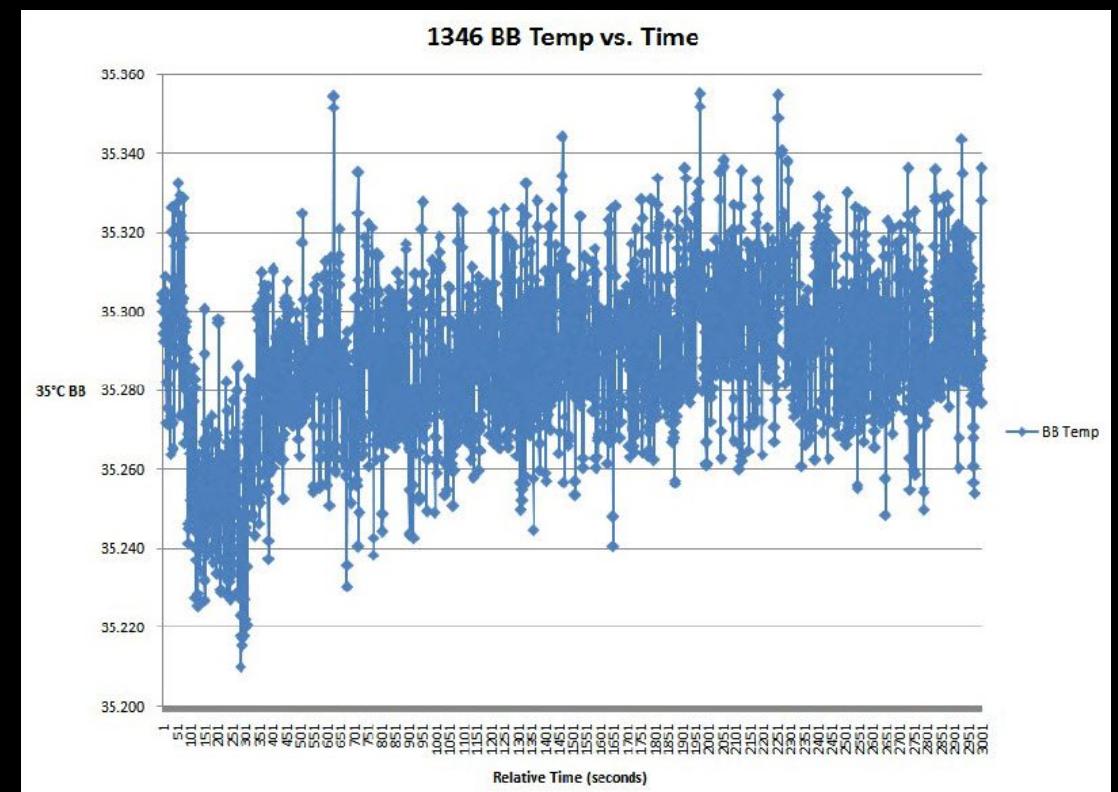
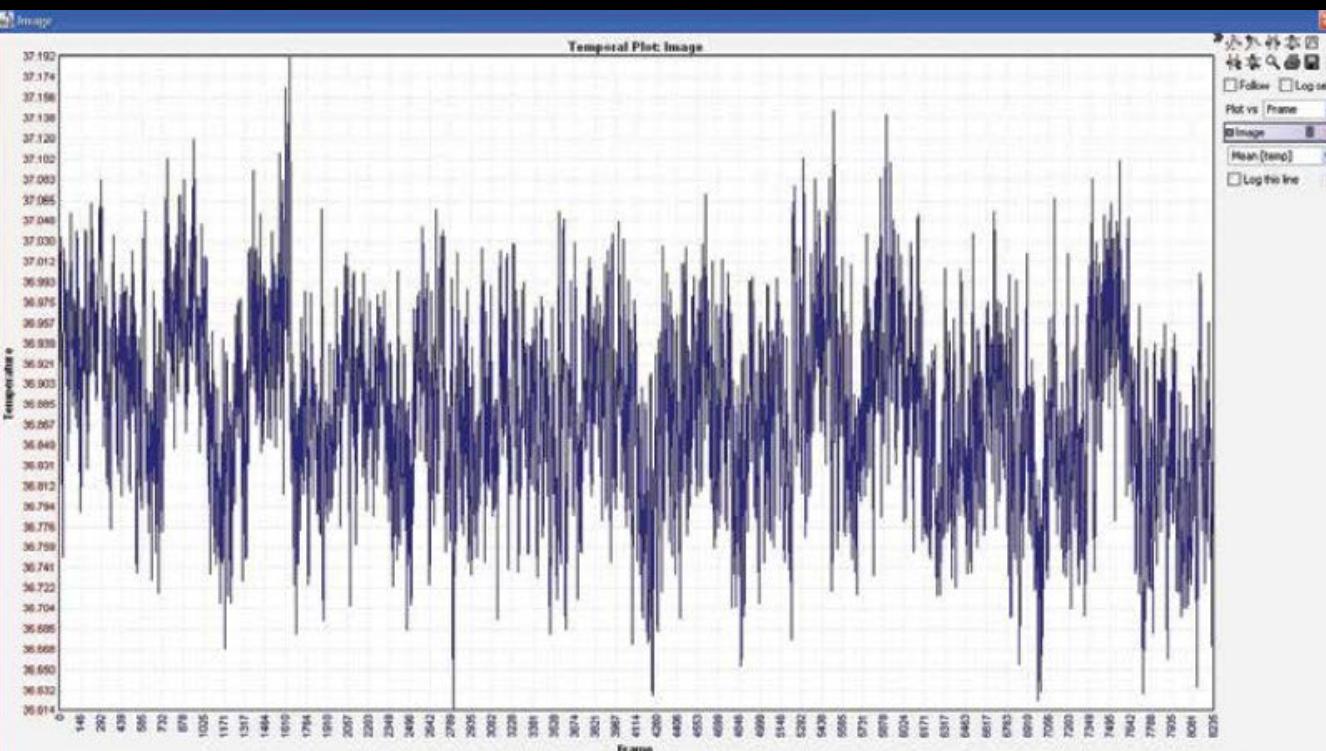


°F ~ 113°F)

160x120

No
Black Body





0.3°C with black body.

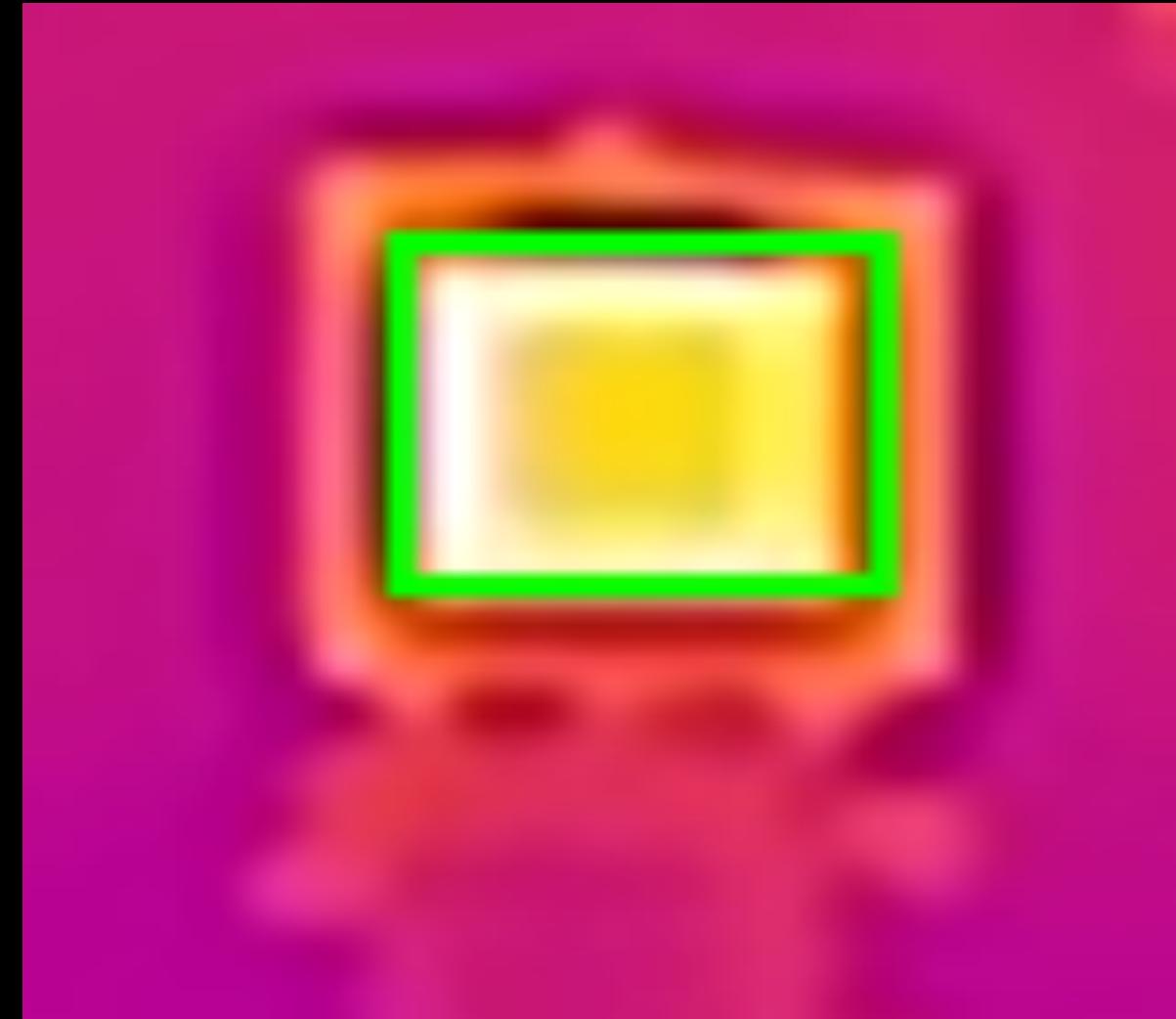
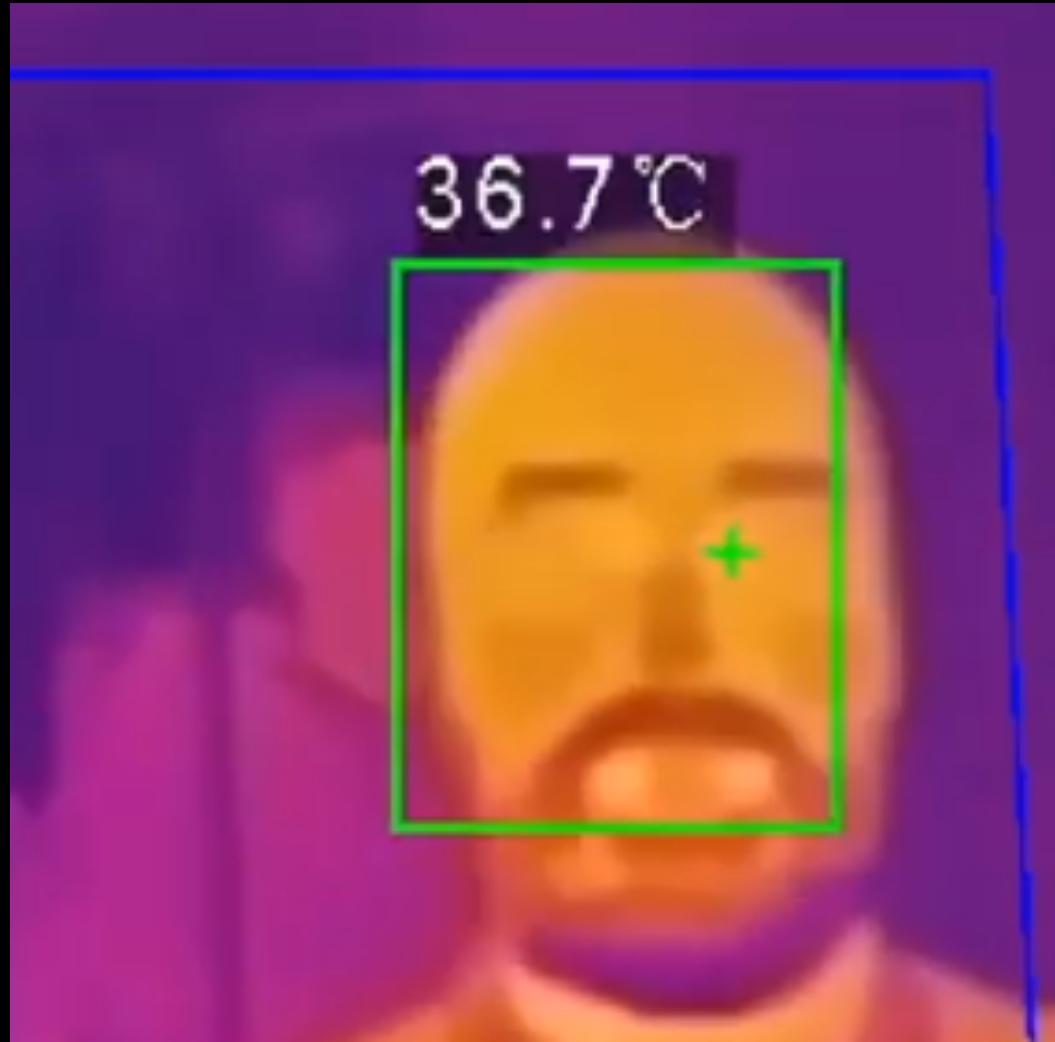
WHY WE NEED BLACK BODY

Ambient Temperature

Humidity

Area of the Object

Emissivity of the Skin



10m, 40% RH, 35°C – 3.5°C

10m, 20% RH, 35°C – 1.8°C

2020-03-24 09:22:

2020-03-24 09:23





Temperature Switch

Temperature Unit

°C

Relative Humidity

- 0 + 20

20

Atmospheric

- 0 + 21

21

Temperature

Target Radiation

- 0 + 0.98

0.98

Coefficient

Target Distance

- 0 + 10

10

Target Reflection

- 0 + 36

36

Temperature

Advanced

Default

Refresh

Save

18:12



Bedroom



39 Sat

Dry

Drink more water and start humidification



24.5 °C

Temperature



23.2 %

Humidity

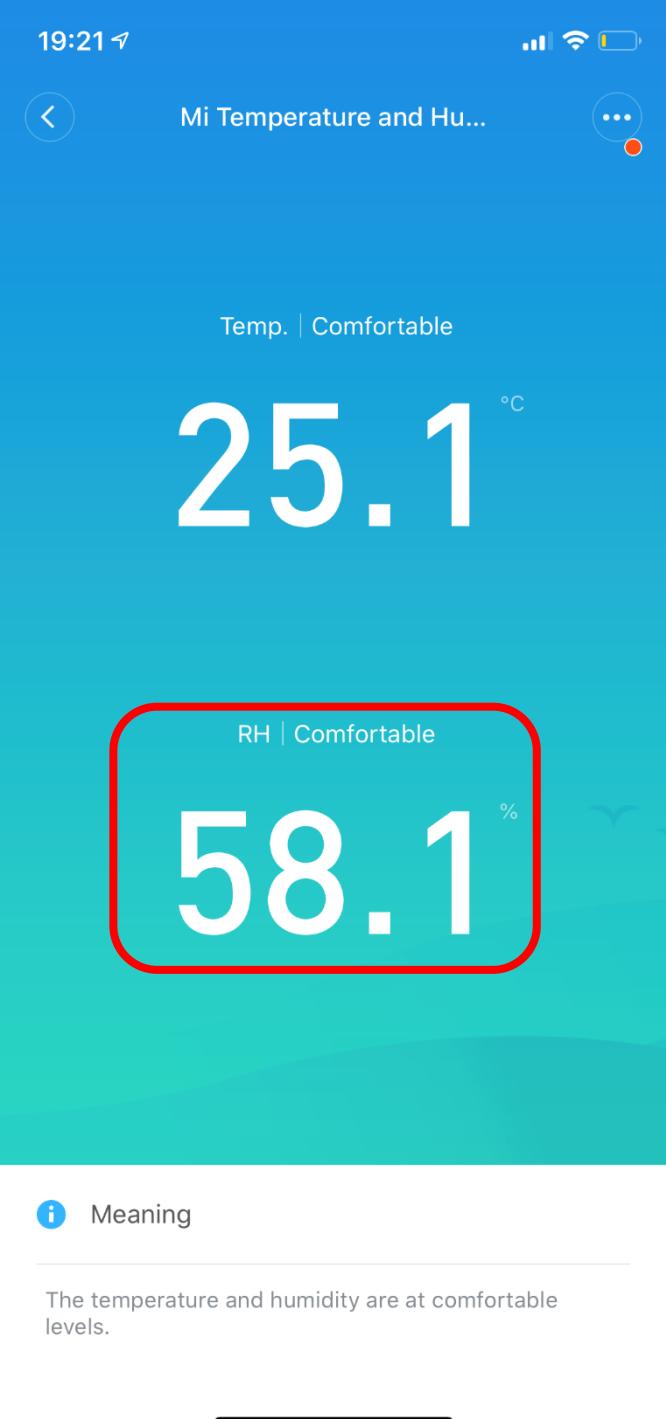


Automation









18:12 ↗



Bedroom

Dry

Drink more water and start humidification



24.5 °C

Temperature



23.2 %

Humidity



Automation



2020-03-28 19:20:15 Sat

19:21 ↗

Mi Temperature and Hu...



Temp. | Comfortable

25.1 °C

RH | Comfortable

58.1 %

Meaning

The temperature and humidity are at comfortable levels.

YOU NEED
BLACK BODY.

ACCURACY CAN
SAVE LIVES!

OT**H**ERS



$\pm 2^{\circ}\text{C}$

$\pm 0.3^{\circ}\text{C}$

36.6°C

38.6°C





Human Temperature Measurement Solution



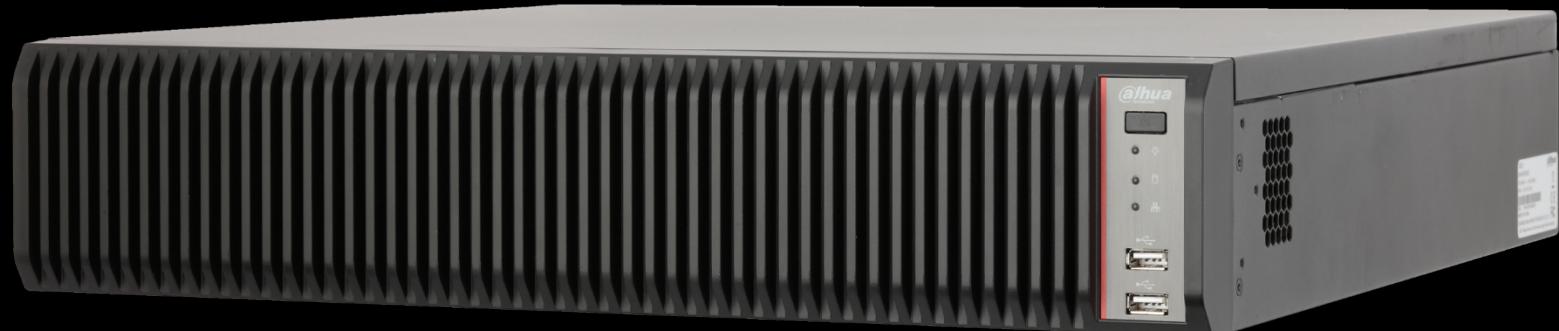
DHI-IVSS7008-1I

16CH Human Body Temperature Cameras

8 Hard Drives (RAID)

128 IP channels

Linux OS <3



View

Today's statistics

Total number of temperature measurements: 55

Normal Temperature: 53

Abnormal Temperature: 2

People without mask: 0

2020.03.18 08:51:59

View Group



Resources

Search Device Name/IP

IVSS

Device

6B048EBPA4369A6



1-Visual



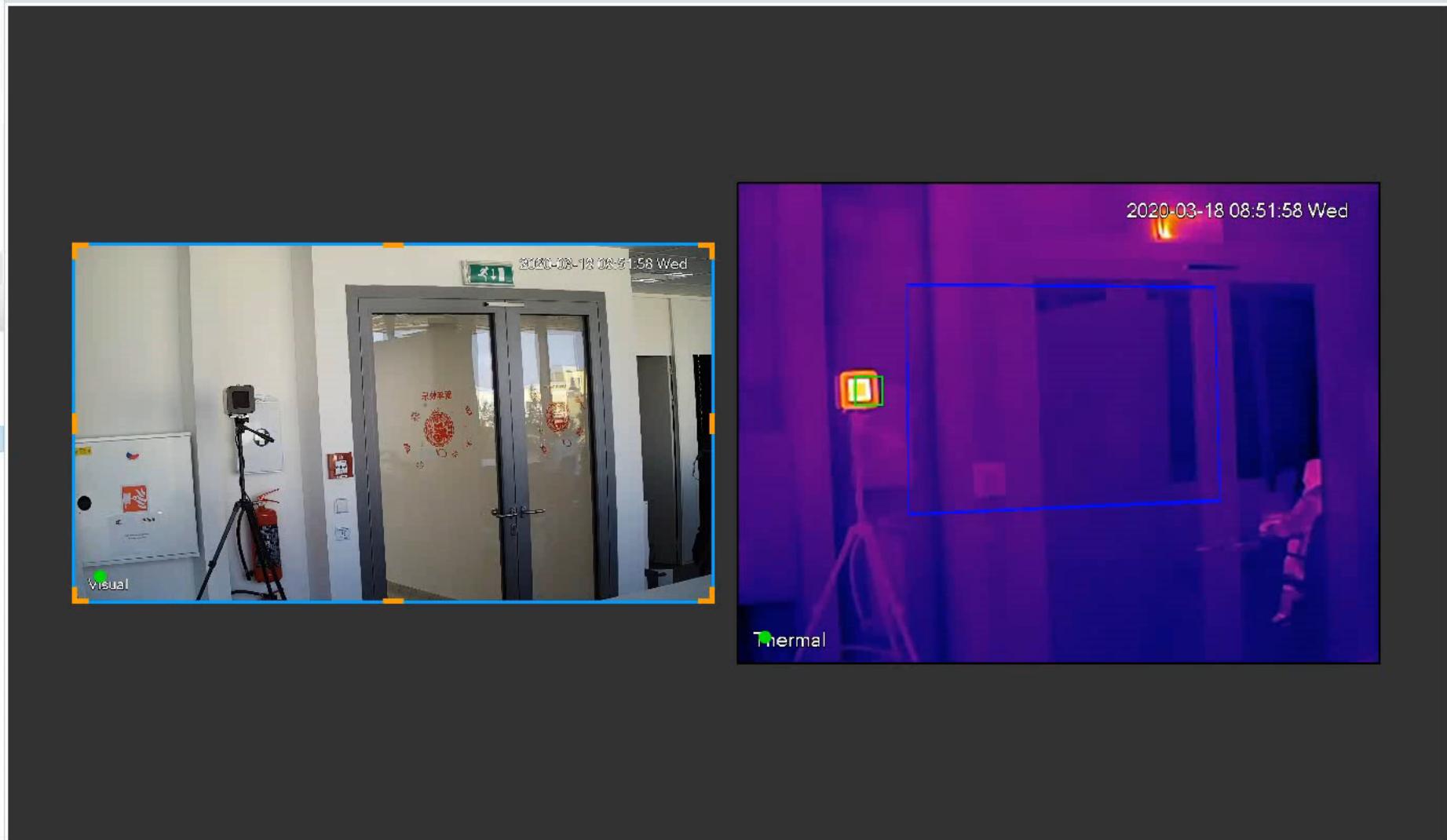
2-Thermal



Access



RTSP Media



Real-time alarm	
Channel1:Visual	08:51:31
	Temperat... 36.7°C
BodyTempDetect	
Channel1:Visual	08:49:33
	Temperat... 36.4°C
BodyTempDetect	
Channel1:Visual	08:48:39
	Temperat... 36.5°C
BodyTempDetect	
Channel1:Visual	08:47:53
	Temperat... 36.4°C
BodyTempDetect	
Channel1:Visual	08:47:30
	Temperat... 36.5°C

> PTZ

View1

OK

Cancel



LIVE +

4



View

Today's statistics

Total number of temperature measurements: 75

Normal Temperature: 70

Abnormal Temperature: 5

People without mask: 11

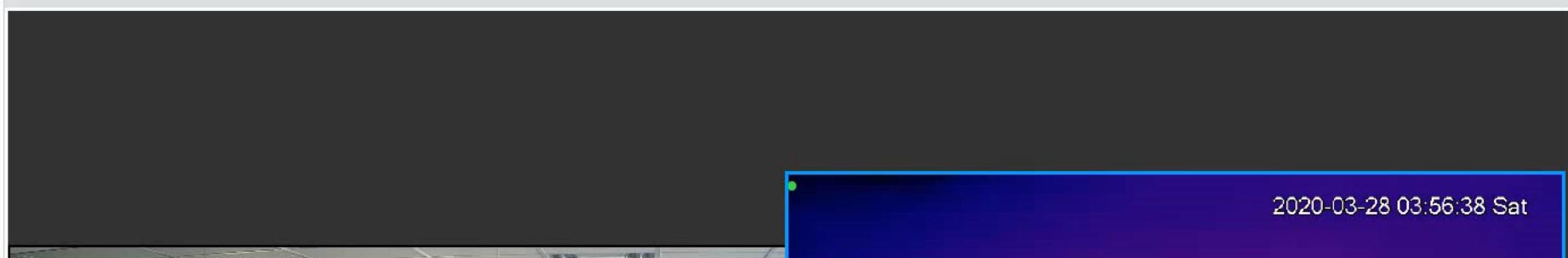
2020.03.28 03:56:38

View Group

View1

Visual

Thermal



Real-time alarm

Channel1:Visual

03:54:32

Stranger

Gender: Male
Age: Elderly
Glasses: No
Mouth M... Yes

Face Recognition

Channel1:Visual

03:54:30

Stranger

Gender: Female
Temperature: 36.2°C
Age: Young
Glasses: No
Mouth M... Yes

Face Recognition

Channel1:Visual 03:54:12

No Mask

Name: Terez...
Gender: Female
Temperature: 36.4°C
Age: Young
Glasses: No
Mouth M... No

97%

Stranger

Gender: Male
Age: Elderly
Glasses: No
Mouth M... Yes

Face Recognition

Channel1:Visual 03:53:56

Stranger

Gender: Female
Temperature: 36.4°C
Age: Middle
Glasses: No
Mouth M... Yes

PTZ

105

0

0

75

Resources

Search Device Name/IP

IVSS

Device

6C020D3PAG60D96

- 1-Visual
- 2-Thermal

Access

RTSP Media

View

Today's statistics

Total number of temperature measurements: 75

Normal Temperature: 70

Abnormal Temperature: 5

People without mask: 11

2020.03.28 03:59:33

View Group

View1

Visual

Thermal

Resources

SearchDevice Name/IP

IVSS

Device

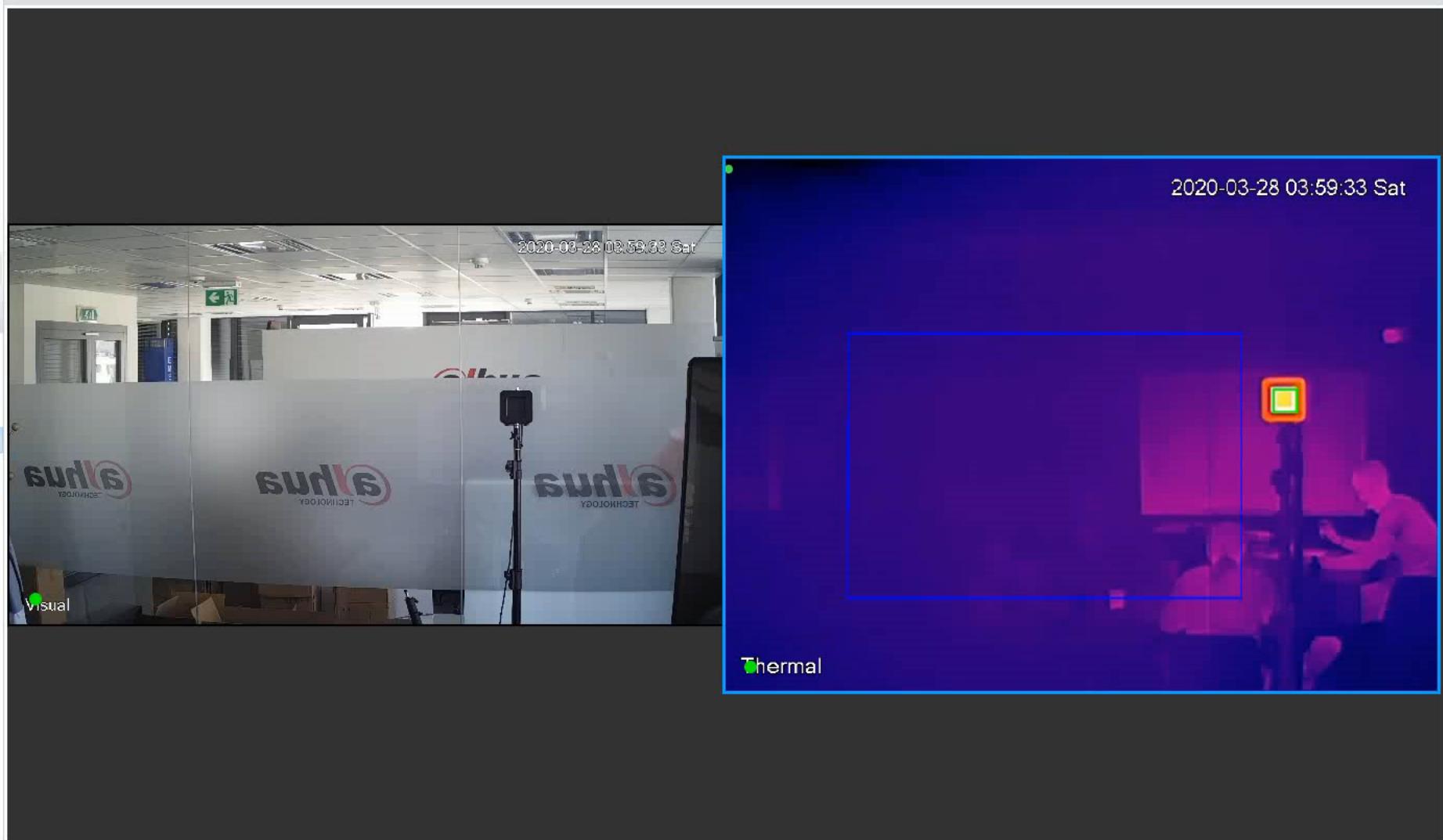
6C020D3PAG60D96

1-Visual

2-Thermal

Access

RTSP Media



Real-time alarm



Gender: Male
Temperat... 36.3°C
Age: Young 0
Glasses: No
Mouth M... Yes

Face Recognition

Channel1:Visual

03:53:23



Gender: Female
Temperat... 36.1°C
Age: Young
Glasses: No
Mouth M... Yes

Face Recognition

Channel1:Visual

03:53:23



Temperat... 36.1°C

BodyTempDetect

Channel1:Visual

03:53:13



Name: ivo.jpg
Gend... Male
Age: Young
Glass... No
Mout... Yes
86%

Face Recognition:Dahua_office

Channel1:Visual

03:53:11



Gender: Male
Temperat... 36.6°C
Age: Young
Glasses: No
Mouth M... Yes

But Wait, There is More!

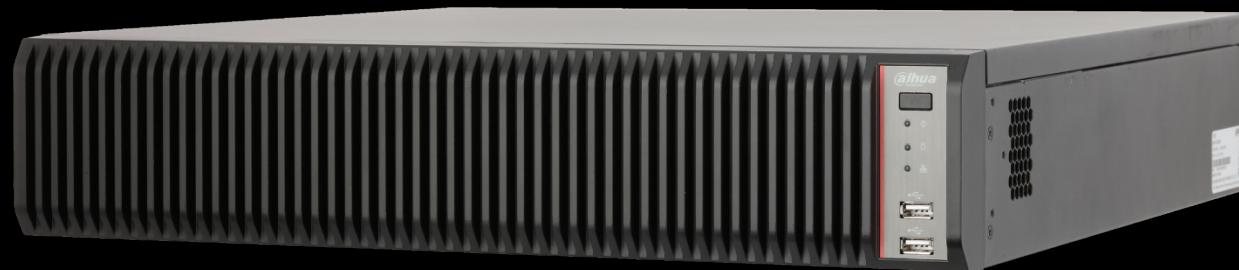


Human/Car Attributes Detection

Face Mask Detection

Face Recognition

Expandable

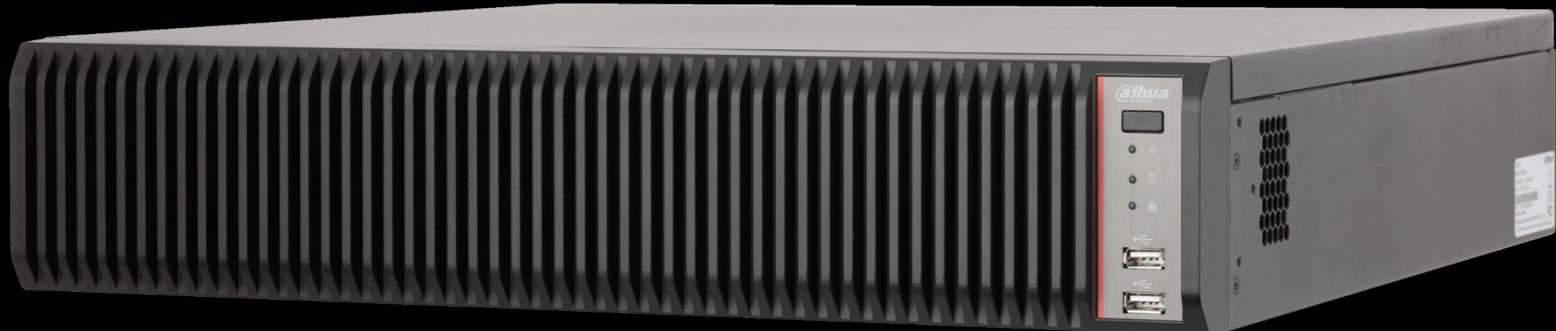


AI Perimeter Protection

128 IP channels

DHI-IVSS7008-1I

16CH Human Body Temperature Cameras (8 Hybrid CH)
8CH Face Recognition (4 HBTM Cameras)
8CH Face Mask Detection
Human/Car Attributes Detection
AI Perimeter Protection
8 Hard Drives (RAID)
128 IP channels



View

View Group

View1

View2



Resources



IVSS

Device

1D01D77PAW00124

Door1

Door2

Door3

Door4

Door5

Door6

camera1

camera2

camera3

camera4

camera5

camera6

Access

RTSP Media

camera1

19:54:58 Type : Human

CrossLineDetection 19:54:57 Type : Human

CrossLineDetection 19:54:55 Type : Human

CrossLineDetection 19:54:42 Type : Vehicle

CrossLineDetection 19:54:37 Type : Human

CrossLineDetection 19:54:37 Type : Human

Rule1

PTZ

1164 1149 550 144



Vehicle Color: Black

Plate Color: Blue

Vehicle Logo: Audi

Vehicle Type: SUV

Vehicle Feature Human Capture



Non-motor Vehicle Ty... Two-wheeler

Vehicle Color: Red

Rider Number: 1

Human Feature

Tops



Bottom clothes



Facial Feature



😊 ♂ 👨

#Young

Smiling

♂ Q 👨

View

- View Group
 - View1
 - View2**
 - View3
 - View4



Resources

 Search Device Name/IP

IVSS

Device

1D01D77PAW00124

- Door1
- Door2
- Door3
- Door4
- Door5
- Door6

camera1

- camera2
- camera3
- camera4
- camera5
- camera6

Access

RTSP Media



Live View

View live video. Supports multiple-window preview, PTZ control, snapshot, instant playback, tour and etc.

**Record Playback**

Supports central or front-end device's record playback, fast and slow playback, locking record and etc.

**Emap**

Visual display of device installation area, supports map preview, playback, alarm and etc.

**Event Center**

Listing events by event level, you can process alarm and search history alarm.

**Video Wall**

Decoding live video and video record to video wall, supports video tour.

**Download Center**

Multiple methods to export record file from central server and front-end storage device.

Personnel Management

Add user and details, supports to issue card, private password and other authorization.

**Access Control**

Remote control of A&C device, supports door group authorization and unlock rule setup.

**Attendance Management**

Personnel shift arrangement, record the attendance information and generate attendance reports.

**Video Intercom**

VDP device call and management, supports to send message to VTH.

**Face Recognition**

Supports real-time face detection and comparison, history face detection and comparison searching and etc.

**Flow Analysis**

Easily know the passenger flow via people counting and passenger distribution via heatmap.

**Thermal**

Supports Getting real-time heatmap, point, line and pane temperature analysis and heatmap exporting.

**ANPR**

Supports real-time license plate recognition, vehicle passed record searching and etc.

**Traffic**

Supports vehicle violation searching, vehicle average speed measurement and generating traffic flow reports.

**Object Detection**

Human, motor vehicle, non-motor vehicle detection, extracting object attributes information.

**Entrance**

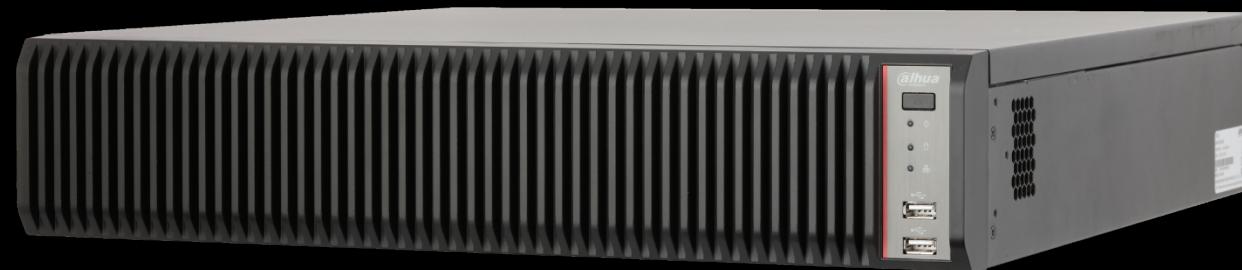
Access license plate snapshot, support parking lot config and vehicle white list management.

Human/Car Attributes Detection

Face Mask Detection

Face Recognition

Expandable



AI Perimeter Protection

128 IP channels

View

View Group

View1

View2



VISUAL



THERMAL

Face Recognition & Mask Detection





VISUAL



THERMAL

View

Today's statistics

Total number of temperature measurements: 139

Normal Temperature: 116

Abnormal Temperature: 23

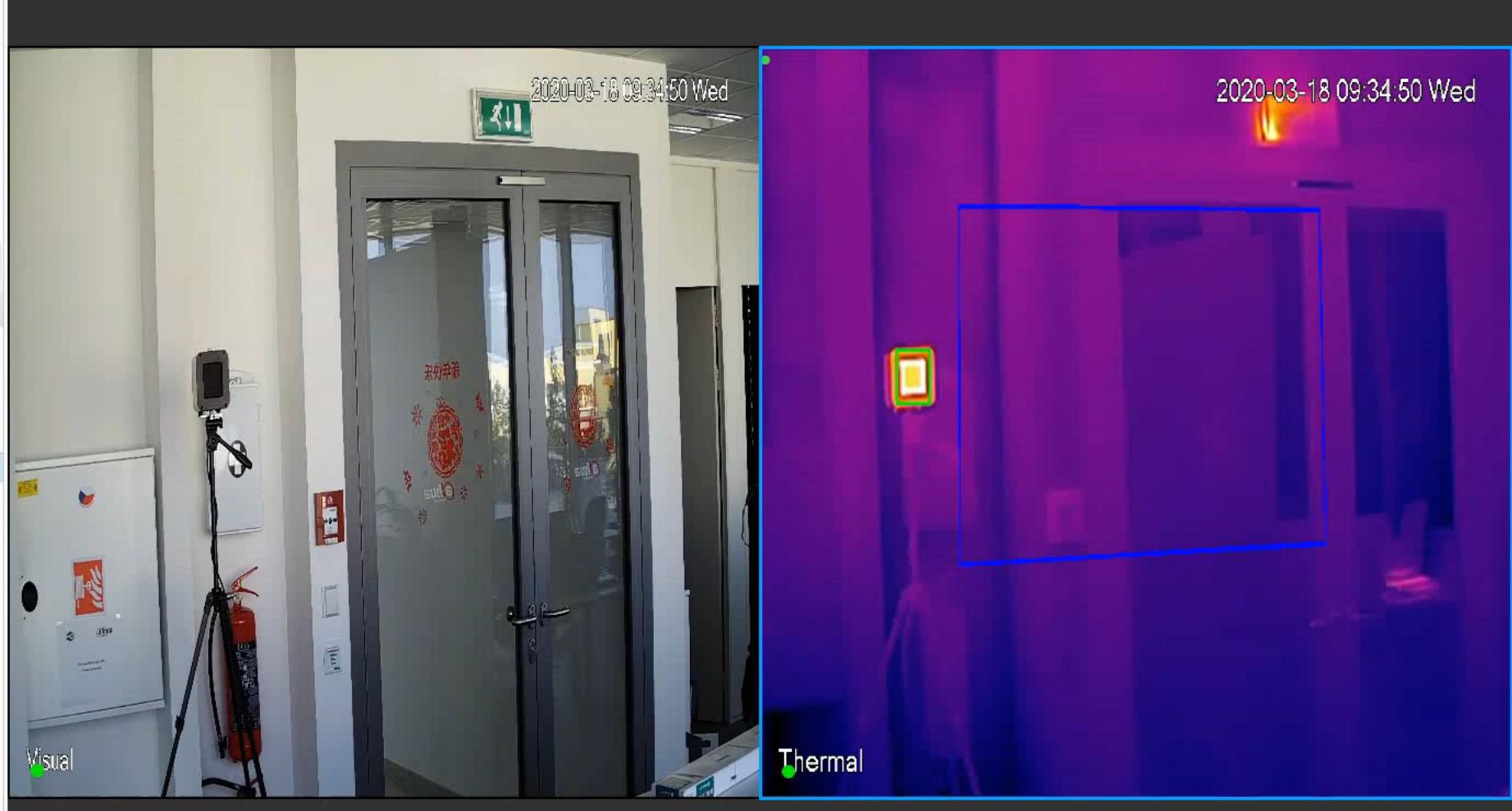
People without mask: 14

2020.03.18 09:34:49

View Group

View1

View2



Real-time alarm

Mouth M... Yes

Face Detection

Channel1:Visual

09:15:41



Gender : Male
Temperat... 36.7°C
Age : Young
Glasses : Black-fr...
Mouth M... Yes

Face Detection

Channel1:Visual

09:14:35



Gender : Male
Temperat... 36.6°C
Age : Young
Glasses : Black-fr...
Mouth M... Yes

Face Detection

Channel1:Visual

09:14:21



Name: Miso
Gend... Male
Temp... 36.7°C
Age : Young
Mout... Yes
86%

Face Detection

Channel1:Visual

09:14:09



Gender : Male
Temperat... 36.7°C
Age : Young
Glasses : No
Mouth M... Yes

Face Detection

Channel1:Visual

09:13:46

PTZ

74

0

0

0

0

139



LIVE



4

View

View Group

- + View1
- ▶ Visual
 - ▶ Thermal

Today



APPLICATIONS

- ▶ LIVE
- ▶ SEARCH
- ▶ AI SEARCH
- ▶ FILE
- ▶ MAINTAIN
- ▶ TASK
- ▶ BACKUP
- ▶ AI REPORT

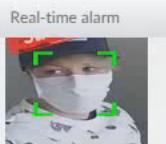
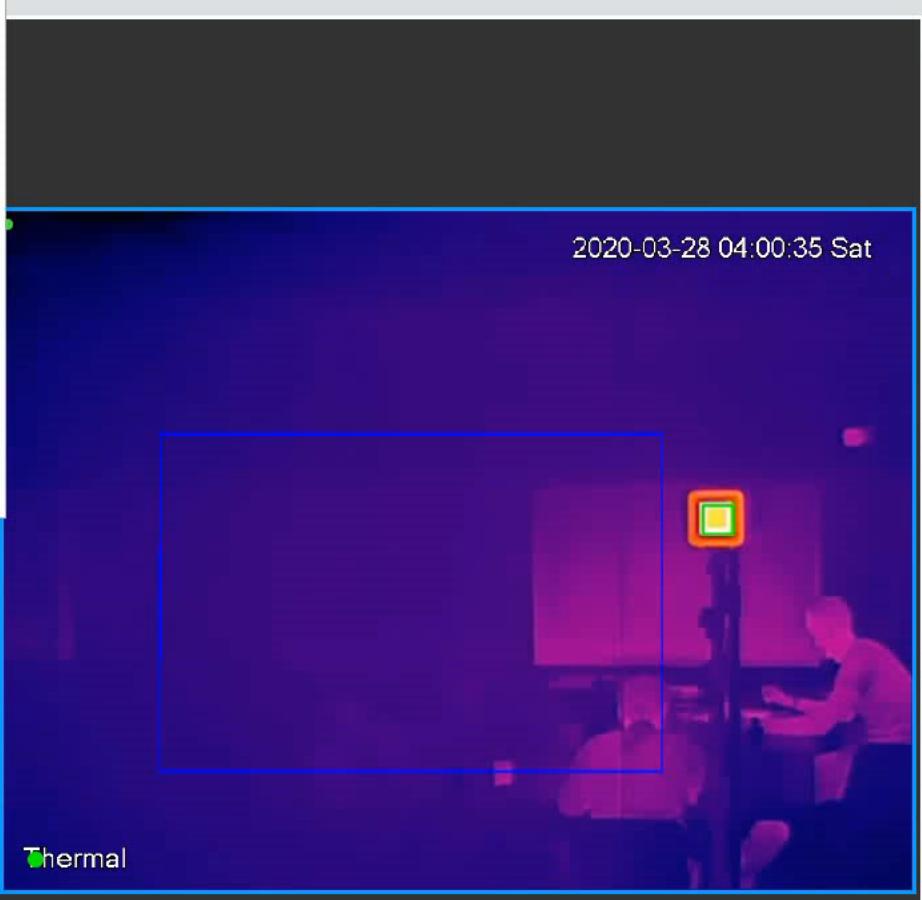


Temperature: 70

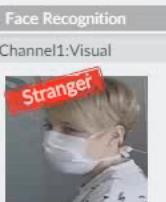
Abnormal Temperature: 5

People without mask: 11

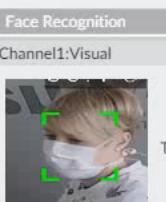
2020.03.28 04:00:35



Gender: Male
Temperat... 36.3°C
Age: Young
Glasses: No
Mouth M... Yes



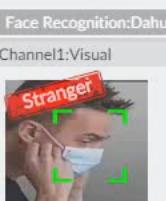
Gender: Female
Temperat... 36.1°C
Age: Young
Glasses: No
Mouth M... Yes



Temperat... 36.1°C



Name: ivo.jpg
Gend... Male
Age: Young
Glass... No
Mout... Yes
86%



Gender: Male
Temperat... 36.6°C
Age: Young
Glasses: No
Mouth M... Yes

Resources

Search Device Name/IP

IVSS

Device

6C020D3PAG60D96

1-Visual

2-Thermal

Access

RTSP Media

> PTZ

105

0

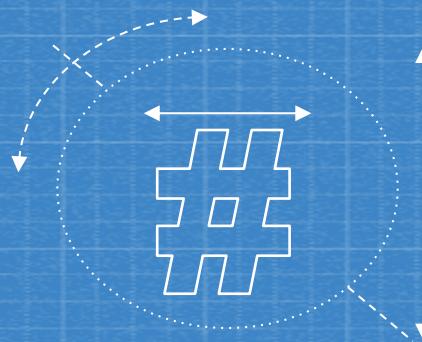
0

0

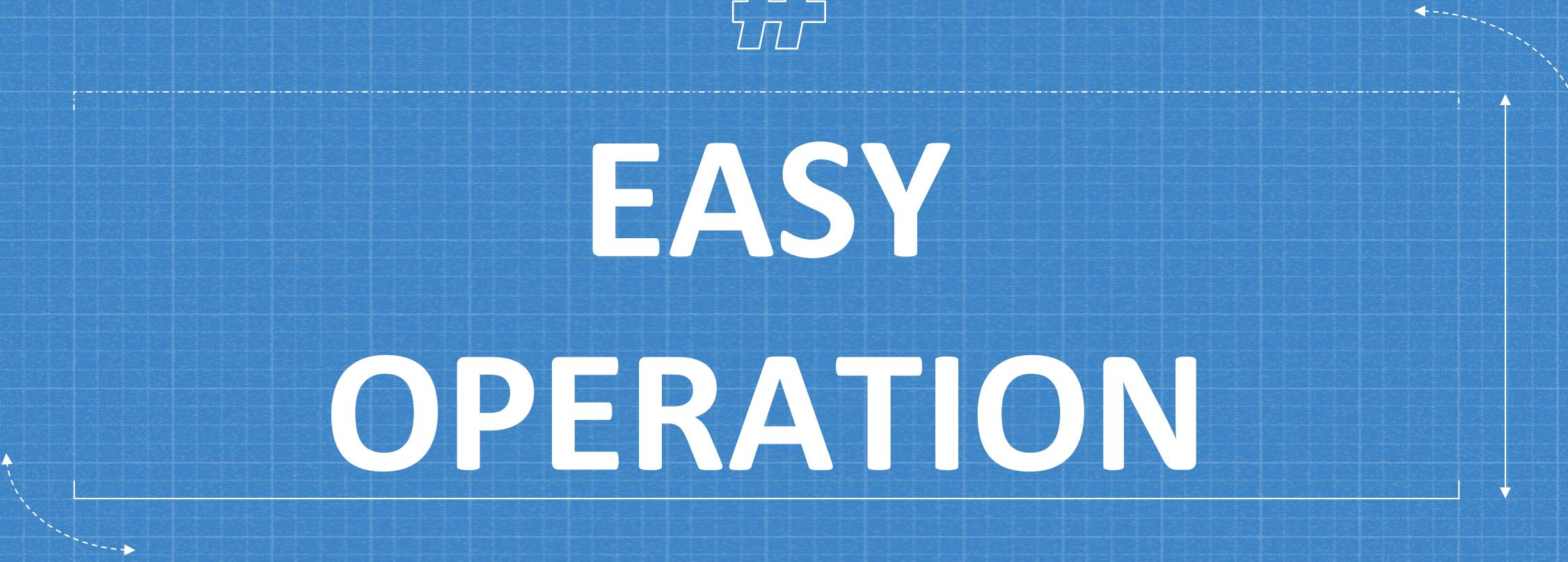
0

75

#HardWayOrDahuaWay



**EASY
OPERATION**





**EASY
OPERATION**



AI REPORT

In Area People Counting Report

Queue People Counting

Body Temperature Report

Choose Device 2-Thermal, 3-Visual, 4-Thermal

Today

This Week

This Month

2020 - 02 - 03 00 : 00 : 00

2020 - 02 - 03 23 : 59 : 59

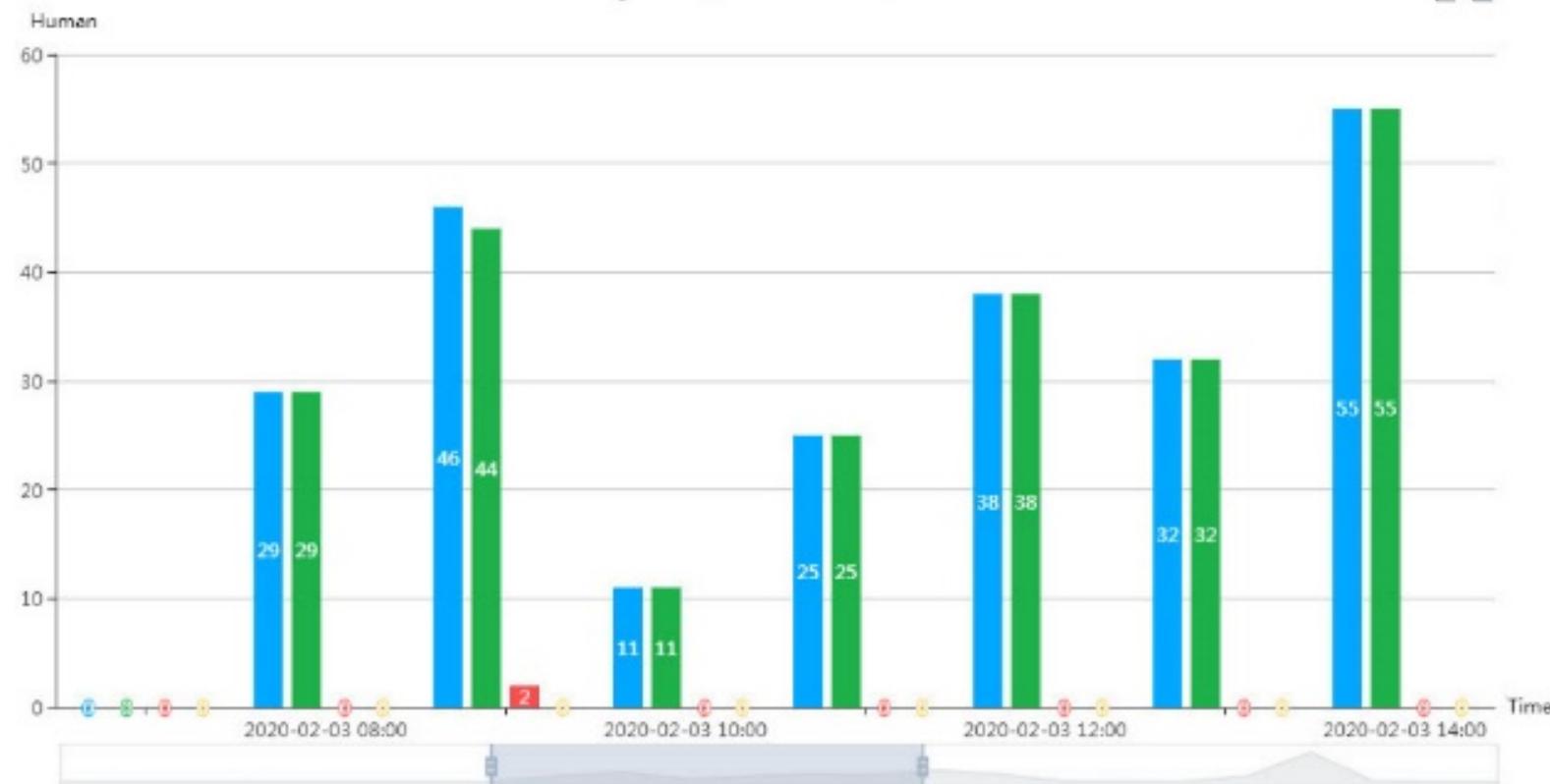
OK

 All Normal High Temperature Low Temperature

Low Temperature

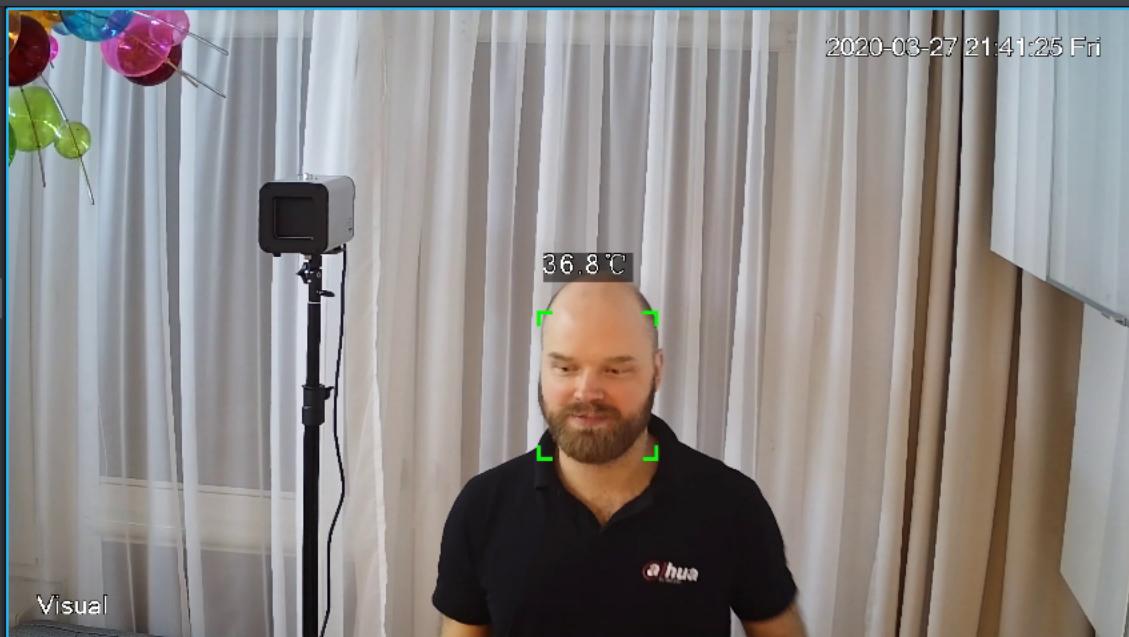
hours days month

Body Temperature Report



Resources

Search



2020-03-27 21:41:25 Fri

36.8 °C

Visual



2020-03-27 21:41:25 Fri

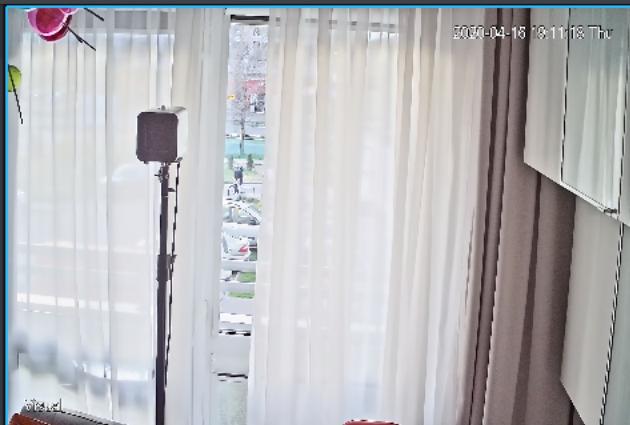
36.8 °C

Therma

View

PTZ





All Normal High Temperature

	37.9°C	Visual	19:10:55
	36.8°C	Visual	19:10:54
	36.6°C	Visual	19:10:26
	36.7°C	Visual	19:10:09
	36.7°C	Visual	19:09:25
	36.8°C	Visual	19:06:58
	36.6°C	Visual	19:06:33



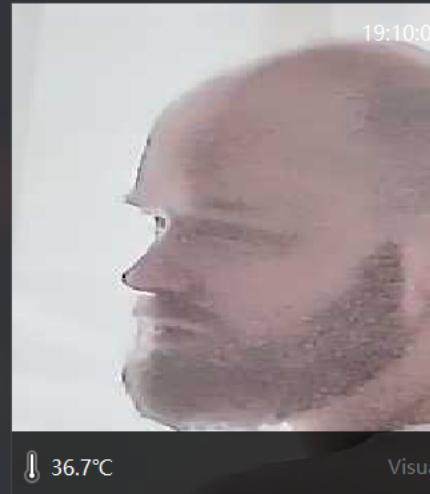
12
All



11
Normal



1
High Temperature



Resources

8



2020-03-28 00:16:35 Sa

36.8 °C



2020-03-28 00:16:35 Sat

36.8 °C

View

PTZ

Full Screen ▾

Resources

 Search...

Video (1/3)

▶ 7442

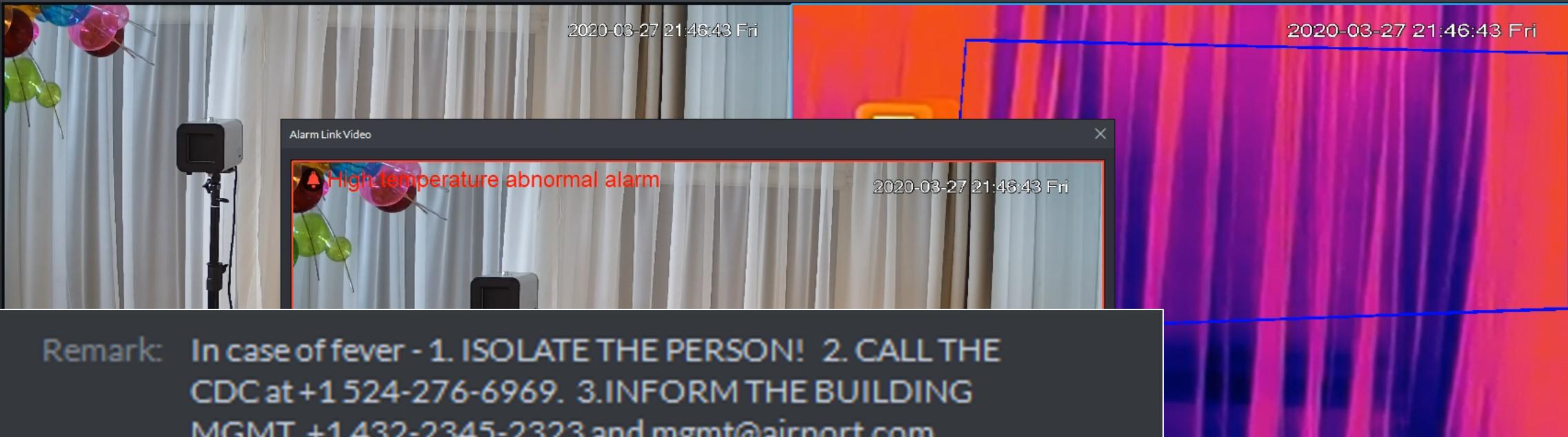
▶ 192.168.1.110

Thermal

▲ Visual

▲ Thermal

▶ Map



Remark: In case of fever - 1. ISOLATE THE PERSON! 2. CALL THE
CDC at +1 524-276-6969. 3. INFORM THE BUILDING
MGMT +1 432-2345-2323 and mgmt@airport.com

No.	Event Time	Event Source	Event Type	Link Channel Name
1	2020-03-27 21:46:32	Visual	High temperature abn...	Visual



View

PTZ

Full Screen



 Pause Refresh Clear Alarm

Alarm Time	Alarm Sort	Alarm Type	Alarm Source	Priority	Remark	Handling user	Operation
2020-03-28 00:53:42	Thermal	High temperature abno...	Visual	High	In case of fever - 1. ISO...		
2020-03-28 00:53:42	Thermal	High temperature abno...	Visual	High	In case of fever - 1. ISO...		

Detail

Soil: **Thermal** Type: **High temperature ad...**

Priority: **High**

REMARK: IN CASE OF FEVER - 1. ISOLATE THE PERSON; 2. CALL THE CDC at +1-524-276-6969. 3. INFORM THE BUILDING MGMT +1-432-2345-2323 and mgmt@airport.com

[Forward to other user](#)

Total 2/1000 record(s).

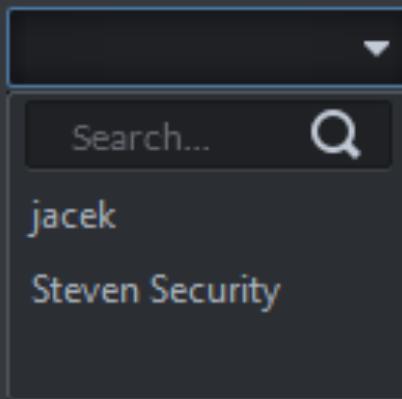
 Temporary Disarm Send Mail

OB

Solved Ignore Forward

Please enter comment.

Forward to other user



Temporary Disarm

Send Mail

OK



00:53
28.03.2020



Solved Ignore Forward

Please enter comment.

OK

 Temporary Disarm  Send Mail

00:49
POL 28.03.2020




 Pause Refresh Clear Alarm

Alarm Time	Alarm Sort	Alarm Type	Alarm Source	Priority	Remark	Handling user	Operation
2020-03-27 21:46:32	Thermal	High temperature abno...	Visual	High	In case of fever - 1. ISO...		✋

Total 1/1000 record(s).

CCTV

Attendance Mgmt

Business Intelligence

VDP

ALPR

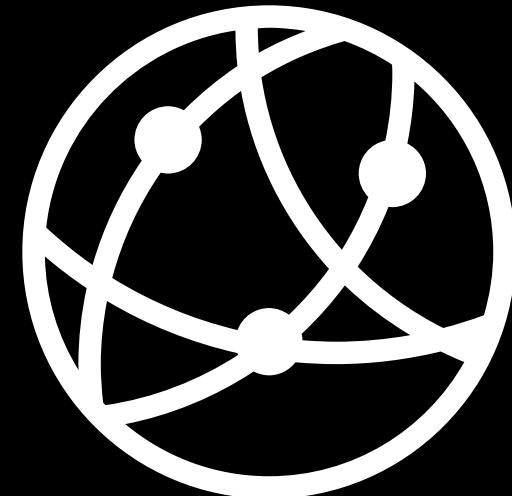
Radar Tracking

Traffic

Access Control

Video Wall

Central AI Sync



**Live View**

View live video. Supports multiple-window preview, PTZ control, snapshot, instant playback, tour and etc.

**Record Playback**

Supports central or front-end device's record playback, fast and slow playback, locking record and etc.

**Emap**

Visual display of device installation area, supports map preview, playback, alarm and etc.

**Event Center**

Listing events by event level, you can process alarm and search history alarm.

**Video Wall**

Decoding live video and video record to video wall, supports video tour.

**Download Center**

Multiple methods to export record file from central server and front-end storage device.

**Personnel Management**

Add user and details, supports to issue card, private password and other authorization.

**Face Recognition**

Supports real-time face detection and comparison, history face detection and comparison searching and etc.

**Object Detection**

Human, motor vehicle, non-motor vehicle detection, extracting object attributes information.

**Record Control**

Remote control of A&C devices, supports door access, authority, unlock rule setup.

**Business Intelligence**

Providing the reports via integrating business data to help people making business decisions.

**Enterprise Management**

Snapshot, supporting management of vehicle with enterprise management.

**Attention**

Personnel attention, remote attention, retransmission and generate a report.

**Intercom**

Service call, support to send message, receive message.

**Thermal**

Temporary permission management, visit record search.

**ANPR**

Supports real-time license plate recognition, vehicle passed record searching and etc.

**Radar Smart Track**

Position speed detection, position speed detection by detected by radar, alarm for zone.

**Alarm Controller**

Zone arm/disarm, subsystem arm/disarm, Zone and subsystem status monitor.

**Traffic**

Supports vehicle violation searching, vehicle average speed measurement and generating traffic flow reports.

COMING SOON.



Face Recognition

Supports real-time face detection and comparison, history face detection and comparison searching and etc.

VISUAL



THERMAL

Resources

Search

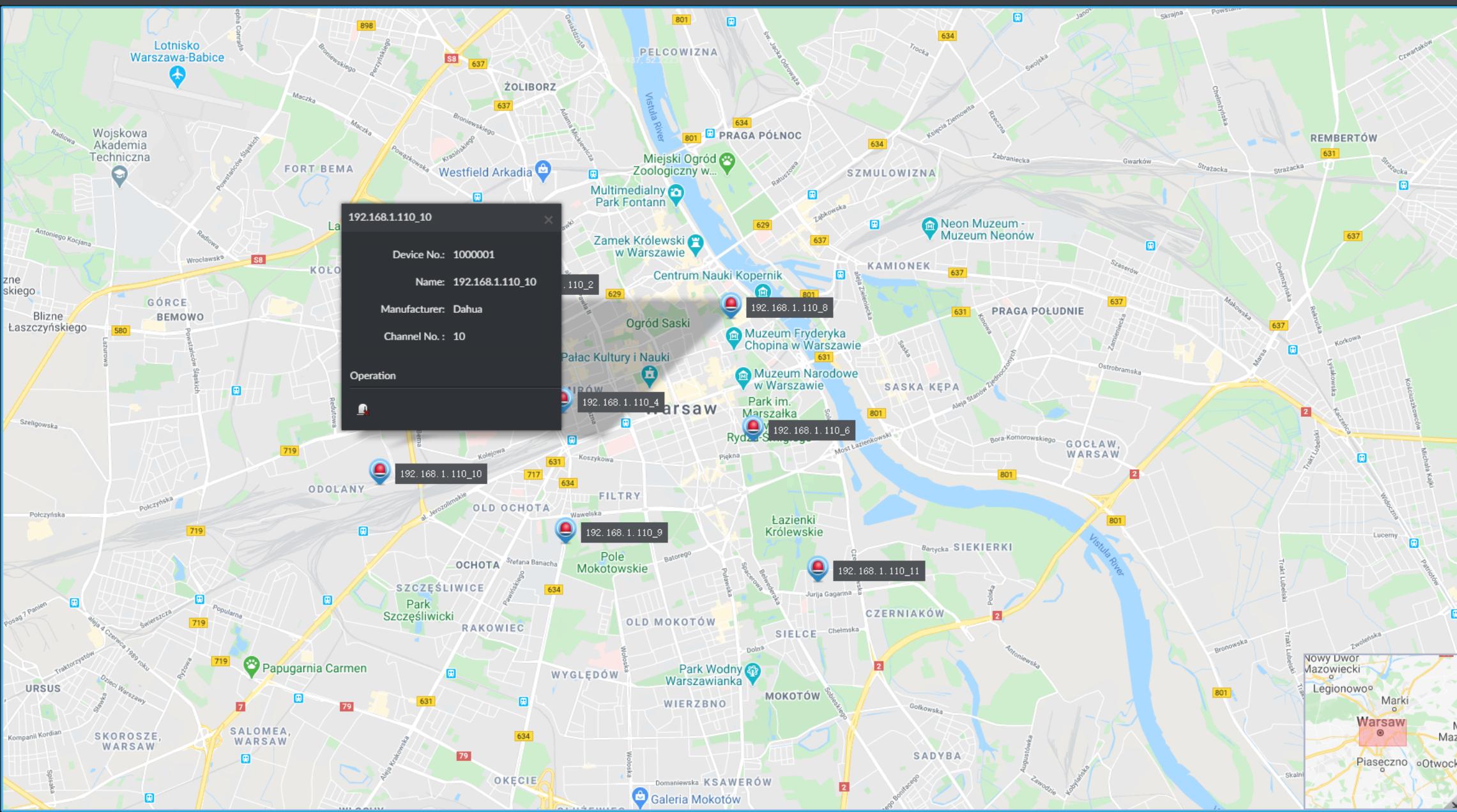
▼ Video (2/2)

▶ ⑧ 7442

▶ 192.168.1.1

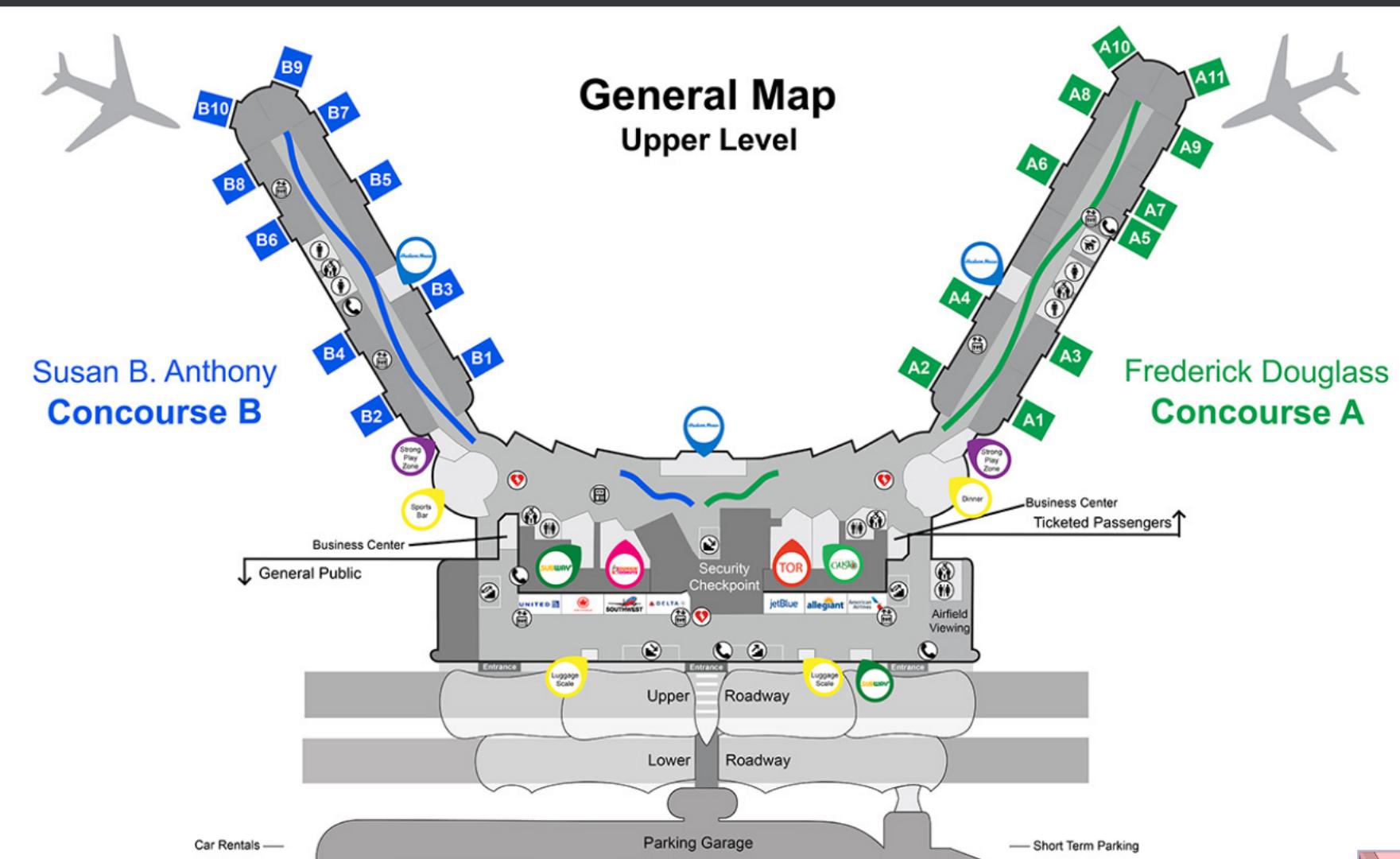
▼  Map

□ Google



Resources

- ★ Search...
- ▼ Video (1/2)
 - ▶ 7442
 - ▶ 192.168.1.110
- ▼ Map
 - Google
 - Jacek's City
 - Airport





Resources



Video (2/2)



7442

IPC-HFW7442H-ZF



192.168.1.110

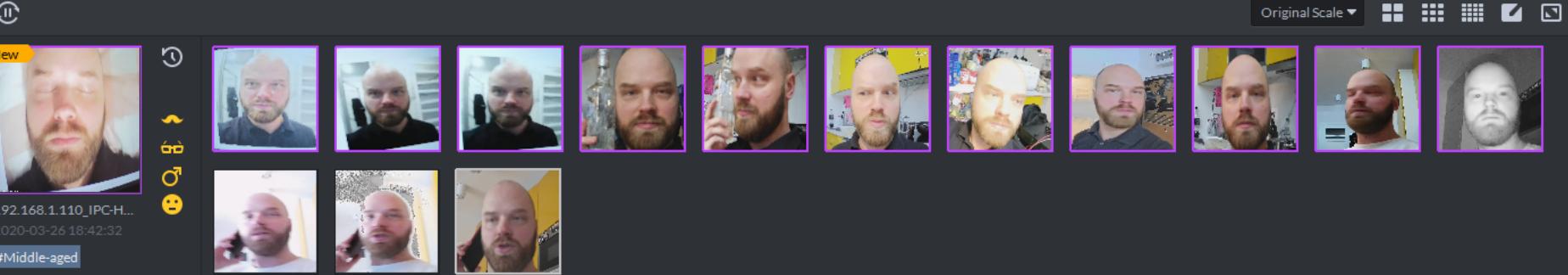
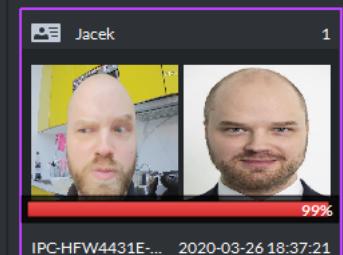
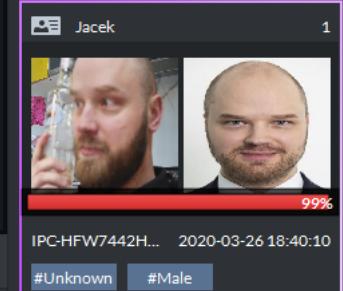
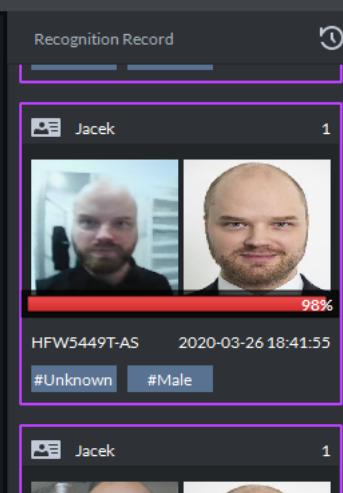
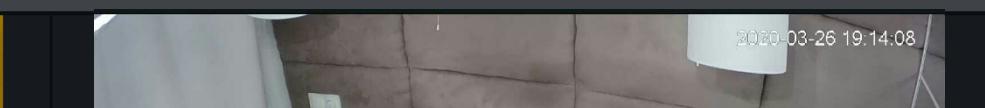
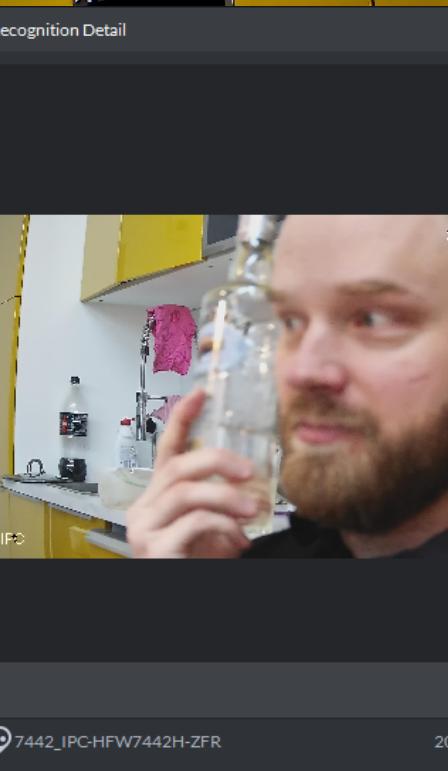
HFW5449T-AS

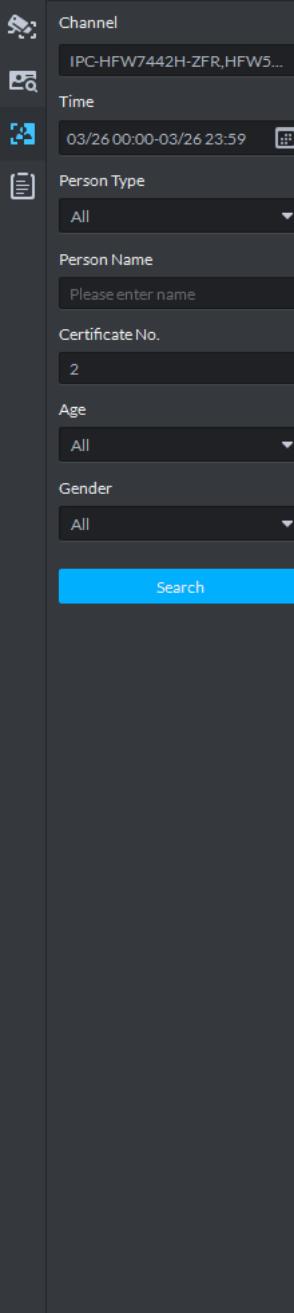


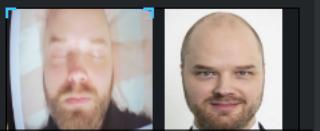
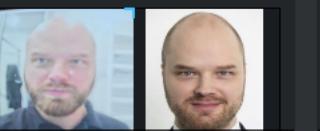
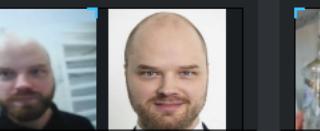
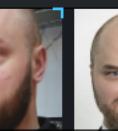
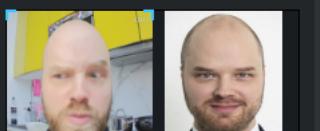
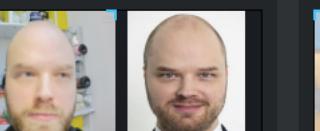
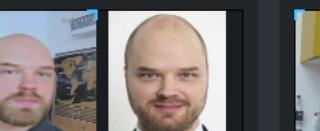
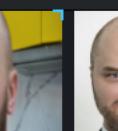
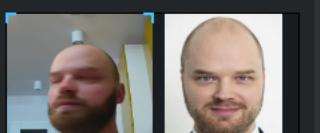
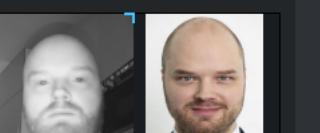
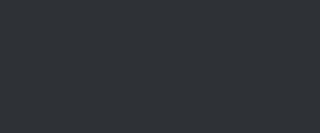
IPC-HFW4431E-SE

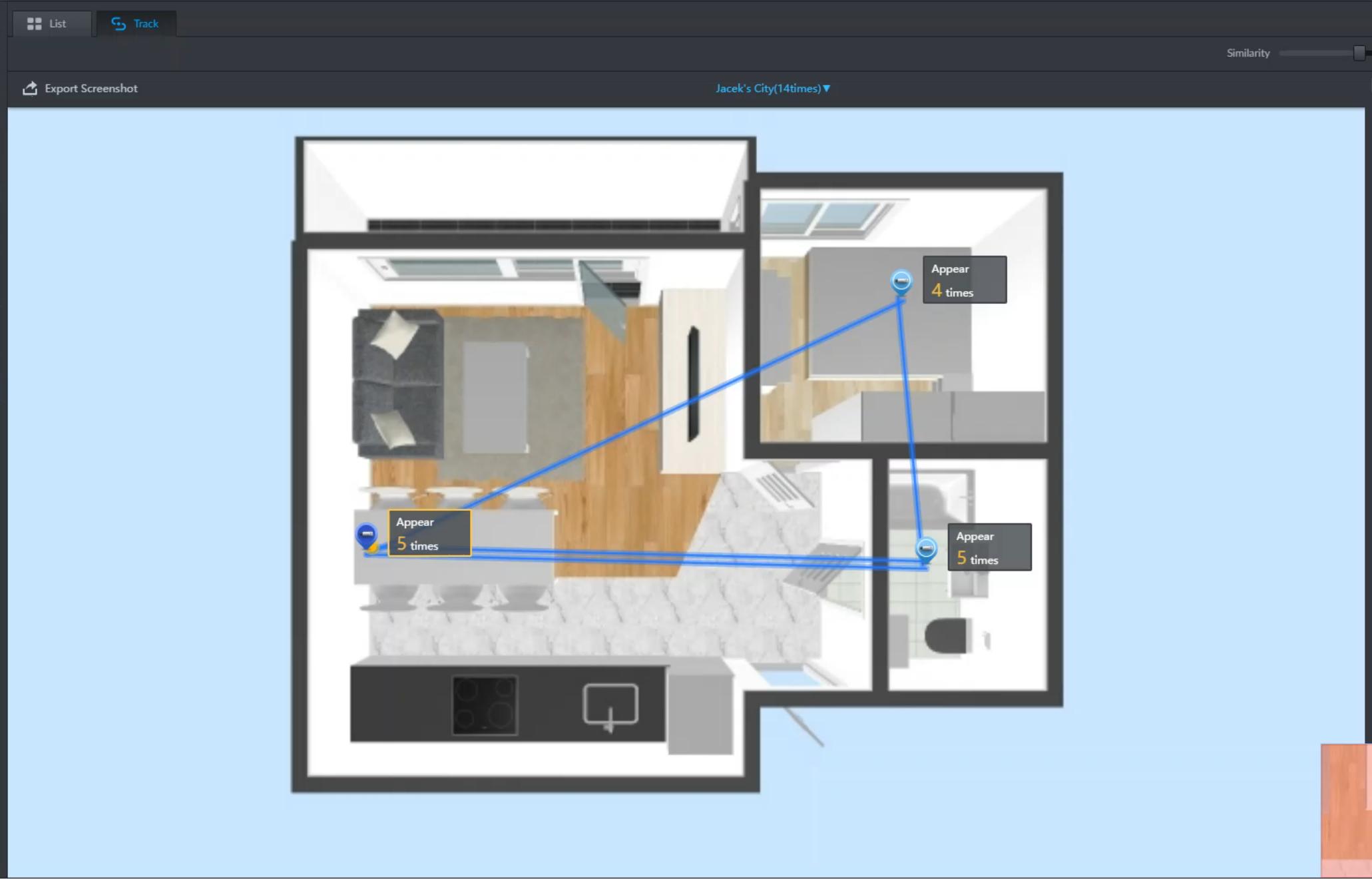
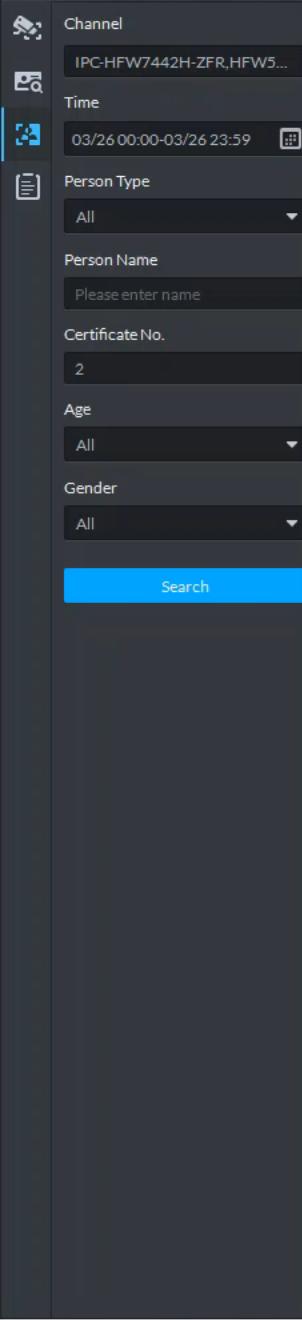


Map

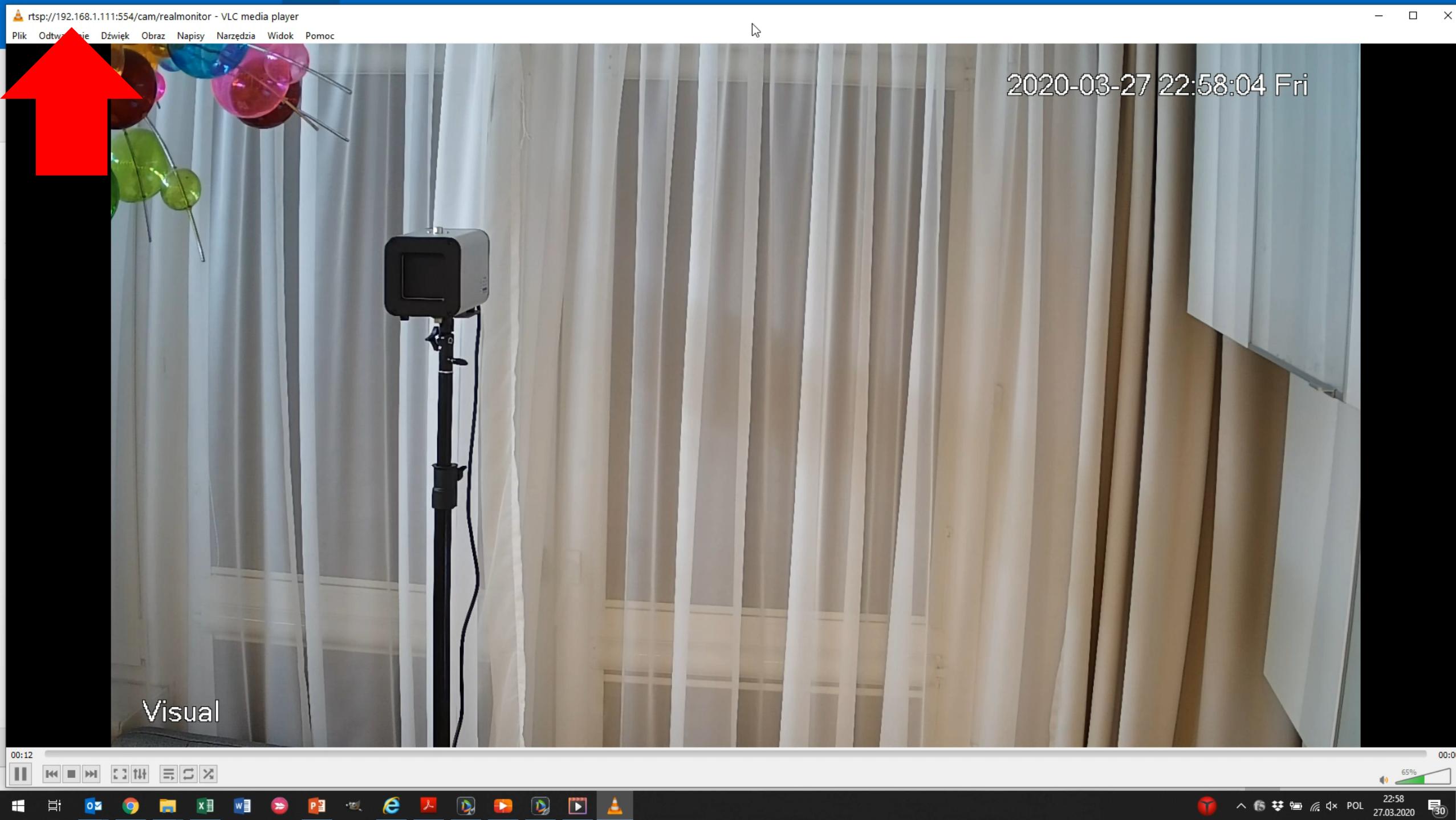




List	Track	Export	Similarity										
<input type="checkbox"/>	Select All												
Jacek 2	1	Jacek 2	1										
													
IPC-HFW4431.. 2020-03-26 18:42:32		HFW5449T-AS 2020-03-26 18:42:05		HFW5449T-AS 2020-03-26 18:41:55		HFW5449T-AS 2020-03-26 18:41:55		IPC-HFW7442.. 2020-03-26 18:40:28		IPC-HFW7442.. 2020-03-26 18:40:10			
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IPC-HFW4431.. 2020-03-26 18:37:21		IPC-HFW4431.. 2020-03-26 18:37:08		IPC-HFW4431.. 2020-03-26 18:36:43		HFW5449T-AS 2020-03-26 18:33:23		IPC-HFW7442.. 2020-03-26 18:31:02		IPC-HFW7442.. 2020-03-26 18:30:53			
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HFW5449T-AS 2020-03-26 17:40:06		IPC-HFW7442.. 2020-03-26 17:39:54											
<input type="checkbox"/>							<input type="checkbox"/>						



Integrations



1 TPCDome 2020-03-28 02:27:33

2020-03-28 02:27:32 Sat

Visual

Camera

- All Cameras
- 1 TPCDome

Event

Schedule Service Start
2020/03/28 02:17:43

ACTi Connecting Vision

RECALL RECALL REC REC DO1 DO2

admin 02:27 28.03.2020

实时

播放

搜索

警报管理器

DahuaThermal

系统监视器

设置

General Thermal Camera (172.27.2.169) - Camera 1

2020-04-15 15:11:17 Wed

37.3°C



Visual

Select

General Thermal Camera (172.27.2.169) - Camera 2

2020-04-15 15:11:17 Wed

37.3°C

Thermal

Select

Today's statistics:

Total Measurements: 30

Normal Temperature: 4

Abnormal Temperature: 26

Temperature: 37.3°C
High Temp: TRUE

2020-04-15 15:11:16

Temperature: 37.3°C
High Temp: TRUE

2020-04-15 15:11:15

Temperature: 37.3°C
High Temp: TRUE

2020-04-15 15:11:06

Temperature: 37.3°C
High Temp: TRUE

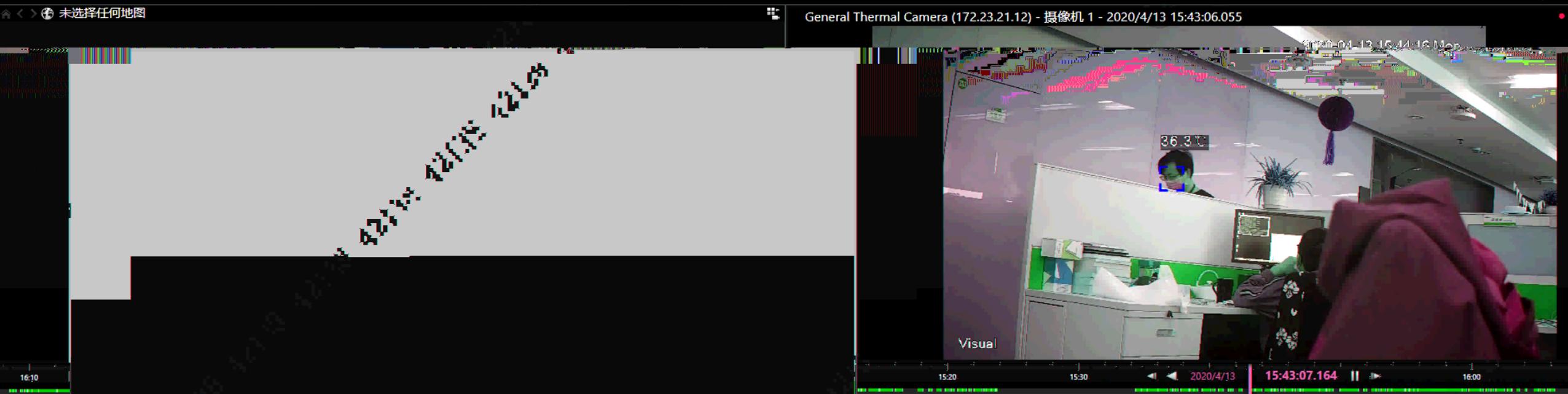
2020-04-15 15:11:04

Temperature: 37.3°C
High Temp: TRUE

2020-04-15 15:11:04

Select

Select



1-100 >

新建 (387)

正在进行 (0)

保持 (0)

已关闭 (0)

服务器

PVS152851713

报告

DAHUA HBTM

$\pm 0.3^{\circ}\text{C}$ Accuracy

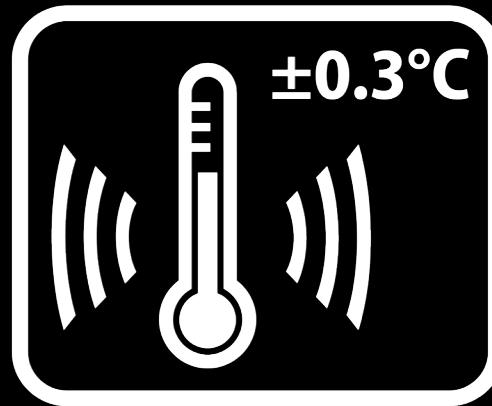
AI powered

Fast Setup

Pre-Calibrated & Dedicated



Human Temperature Measurement Solution



How to
Order?

Shopping List



DH-TPC-BF5421P-T



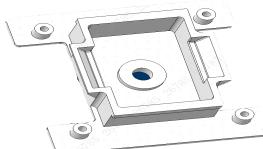
DH-TPC-HBB-AHW



POE Switch



VCT-999



RQW026-00



DHI-DSSPro-Base-
License



IVSS7008-1I

**THANK
YOU!**

**KEEP
HEALTHY!**

Podsumowanie + QUIZ :)



Plan cyklu webinarów

■ Synology (15.04)

- Dlaczego Synology i po co mi ten NAS?
- Portfolio produktowe
- Narzędzia

■ Seagate (29.04)

- Portfolio produktowe
- IronWolf for NAS
- SkyHawk for CCTV

■ Dahua (22.04)

- DEMO, Surveillance Station oraz DVA
- Visual Station
- System Pomiaru Temperatury Ciała

■ CyberPower (06.05)

- DEMO, czyli jak skonfigurować UPS'a z NAS'em
- Energooszczędne rozwiązania zasilania awaryjnego dla SMB
- Podsumowanie



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TECHNOLOGY



SEAGATE

CyberPower®



Ekstra dodatki

DS1618+

CPU
Czterordzeniowy procesor 2,1 GHz

DS1819+

CPU
Czterordzeniowy procesor 2,1 GHz z mechanizmem szyfrowania AES-NI

 <https://makeittogether.pl>



Wyświetlacz lokalny HDMI

Wyd

Rozwiązań

VisualStation to doskonałe al skonfigurować stację monitorowa



Storage Surveillance

Synology VisualStation – Dedykowane stacje robocze do monitoringu wizyjnego

3 kwietnia 2020 wstawił(a) Łukasz Skibiński

Strona Główna / Storage / Synology VisualStation – Dedykowane stacje robocze do monitoringu wizyjnego

<

 3 kwietnia 2020
wstawił(a) Łukasz Skibiński w Storage

Monitoring wizyjny w obecnych czasach stał się powszechnym rozwiązaniem stosowanym praktycznie w każdym obiekcie w jakim się znajdujemy – instytucje publiczne, inwestycje prywatne czy też nasze środowisko domowe.

Przy wyborze nowego rozwiązania CCTV bardzo często zwracamy uwagę na wygodę i prostotę, a także w większych instalacjach na integrację z istniejącymi systemami znajdującymi się już na obiekcie.

Synology jako wiodący producent urządzeń NAS posiada narzędzia do tworzenia profesjonalnego systemu do monitoringu wizyjnego wykorzystując aplikację Surveillance Station z wbudowanymi dodatkowymi modułami zwiększającymi jej funkcjonalność.

Oprócz wielu zaawansowanych narzędzi (moduły, które możemy aktywować z poziomu

Zostań partnerem 

Twórzmy razem historię IT

make IT together

#FEN_Story
story.fen.pl



 SEAGATE

 CyberPower®

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Konkurs

Pytanie konkursowe

Dlaczego użycie kalibratora Black Body w rozwiązaniach do monitorowania temperatury ciała człowieka jest konieczne?



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