CODEMAX

CODEMAX IOT
SMART HELMET

CODEMAX IOT SMART HELMET

CODEMAX

> Has 76 patented technologies
> Special products for security protection of the 1st and 2nd China International Import Expo
> It has been used routinely by police in Shanghai, Chongqing and other places, with remarkable results

FUNCTION 1:

TEMPERATURE MEASUREMENT,
QUICK SCREENING FOR INDOOR AND OUTDOOR

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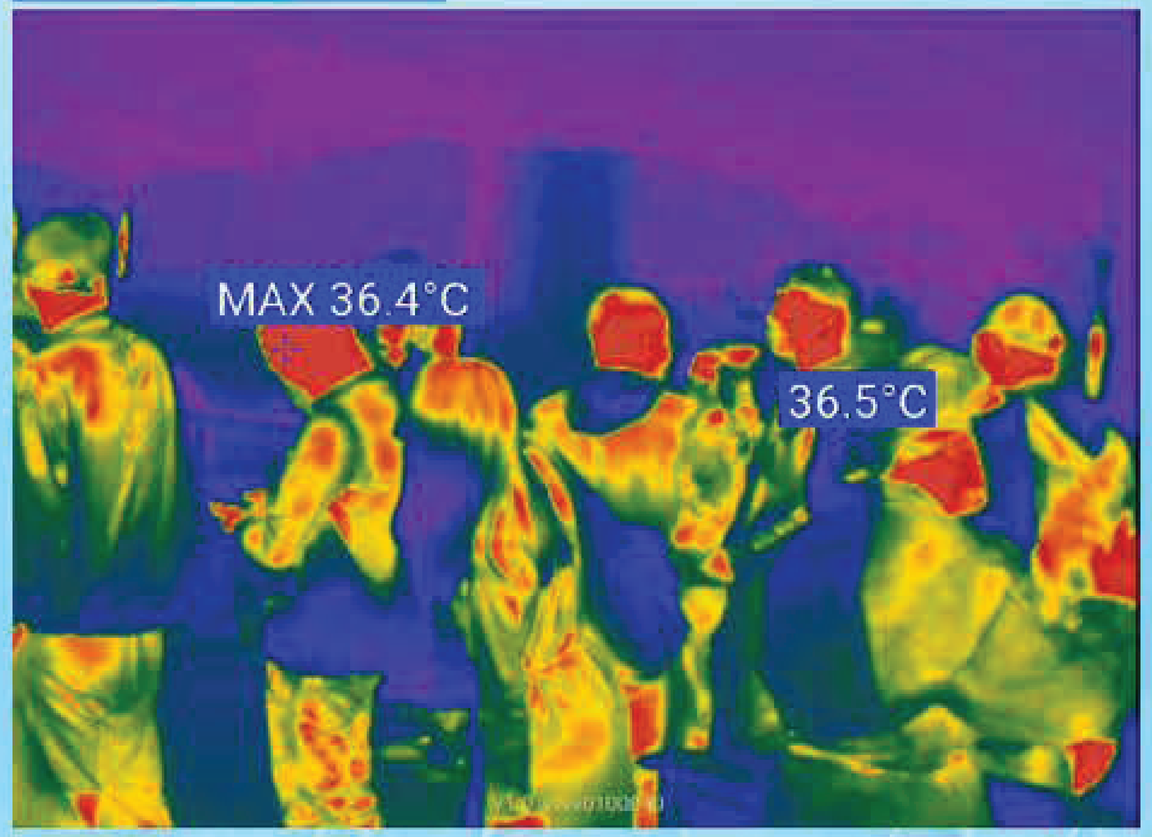
SINGLE MODE

Real-time temperature measurement of the area in the center frame of the infrared thermal imaging screen and real-time display of the maximum temperature in the area of the center frame.

HIGH TRAFFIC MODE



Real-time scanning of the entire area of infrared thermal imaging, and automatically display the temperature value of the multi-region between 36C-42C

FUNCTION 2:

AUTOMATICALLY RECORD REAL-TIME PERSONNEL
AND TEMPERATURE INFORMATION

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QR RECOGNITION MODE

QR RECOGNITION MEASUREMENT MODE

By scanning the user's QR code, the identity information of the person is retrieved, and the temperature measurement of the person is completed within 3 seconds.
The system automatically records the person and temperature information into the database in real time.

FUNCTION 3:

"CAR SEARCH FEATURE", CHECK VEHICLE & TEMPERATURE

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CAR PLATE RECOGNITION MODE

CAR TEMPERATURE MEASUREMENT MODE

- The helmet can access vehicle data, can store up to 3 million vehicle information, establish a red and white list, implement license plate recognition and feedback results

FUNCTION 4:

FACE RECOGNITION, QUICKLY PRESENTING PERSONAL IDENTITY INFORMATION

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FACE RECOGNITION MODE

- Face recognition of personnel who have entered the helmet and display identification information

FUNCTION 5: INFRARED THERMAL IMAGING LOW LANTENCY

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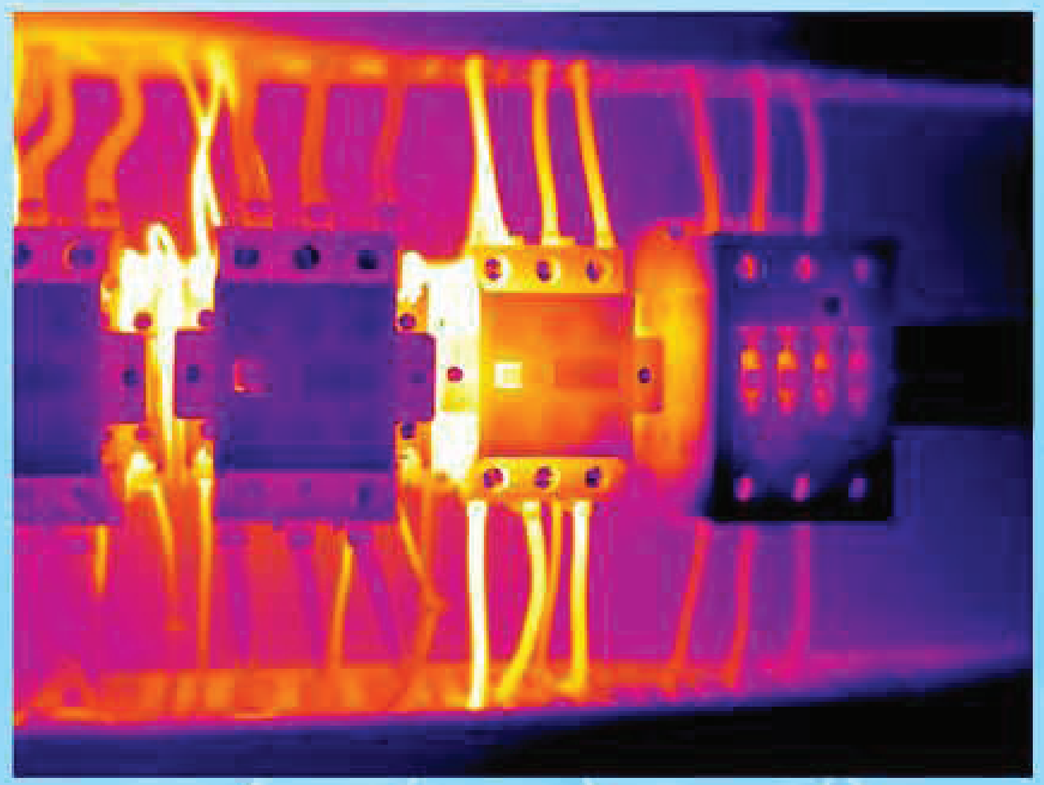
HUMAN DETECTION MODE

Infrared thermal imaging detection of specific parts of the human body for qualitative analysis of the location of human lesions

FACILITY INSPECTION MODE



HVAC equipment, pipelines, electronic equipment, suitable for fire protection, electricity, HVAC and other fields, can also be used for night vision inspection scenes such as finding objects, watching people, fire prevention, etc.

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MAIN HELMET:

METAMATERIAL TECHNOLOGY FOR EXTREME
WEIGHT REDUCTION AND ENERGY ABSORPTION

- Advanced fighter materials
- Helmet shell <180g
  Total weight 1135g
- 3kg steel &
  1m height
- Absorbs all the impact energy

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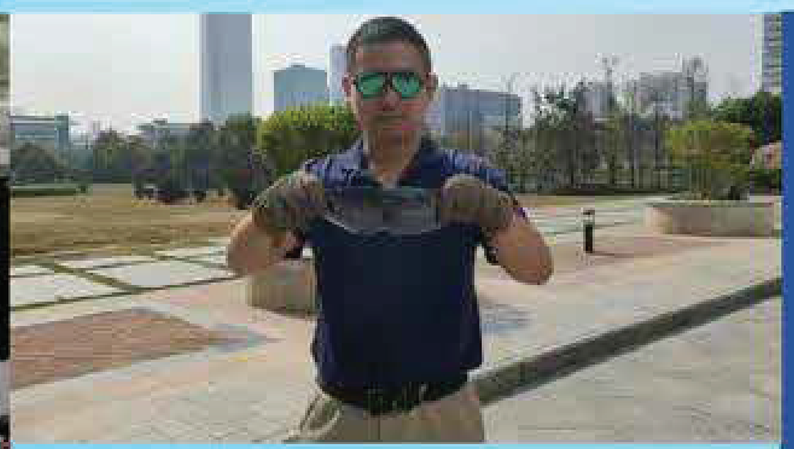
GOGGLES: AVIATION MILITARY INDUSTRY & ANTI-SHOCK GOGGLES



- Anti-fog protection & eyes protection

- Helicopter helmet goggles against 6mm steel ball 200m/s high speed impact

- Anti-scratch, anti-fingerprint, anti-fog, silver-plated

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HIGH ACCURACY INFRARED THERMAL IMAGING

- Over 110thousands dots high
  dense sensory processes,

- Low latency visual integration on screen.

Temperature accuracy : [+- 0.3 C](within 2m range)
Measuring efficiency : 200 ppl/m

HIGH ACCURACY! HIGH EFFICIENCY!

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ERGONOMIC DESIGN

Interior fabrics:
optimized lycra material

Helmet safety lacing:
high strength military grade nylon, high-grade lambskin

Locking clasp:
German imported magnetic clasp for fast & single hand removal.

COMFORTABLE! HIGH GRADE! SAFE!

CODEMAX

UTILIZING TECHNOLOGY FOR ADVANCED DEFENSE, REALIZING HIGH EFFICIENT SENSORLESS PATROL.

Check Point
Contactless Inspection

Safe Travel
Airport, Rails, and Public Transport

Hospital

Avoid Cross-Infection, Innovative Tech For Advance Defense

Business Buildings
Comprehensive Checks for High Traffic Volume

High Traffic Foot Path
Temperature Checks Without Queing

Gardens and Parks
Healty Recovery Start From Exercizing

CODEMAX

AR DISPLAY: 24/7 AR AUGMENTED REALITY TECHNOLOGY

Large FOV 74inch (3m away)

High brightness, high resolution,
high contrast, no vignetting,
no blind spots, no pressure.

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BATTERY LIFE: UP TO 72 HOURS BATTERY LIFE

- AR shows energy savings of **85%**
- **5000mAh** large capacity safety battery
- Standby mode: **72 hours**
- Patrol mode: **8 hours**
- Clip recording mode: **3 hours**

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RADIATION PROTECTION:

METAMATERIALS THAT REDUCE HUMAN BODY RADIATION

Metamaterial technology

Conformal antenna High gain
Low power Low radiation
design SAR <0.05w/kg is 1/40
of the national standard.

CERTIFICATION :

Third Party Security, Reliability, Environmental Adaptability Testing & Certification

Contact us at : 03-7890 0368 / info@codemax.my / www.codemax.my