Pupil Detectors for Suspected Drug User

Technical Principle

Pupil changes are primarily influenced by the central nervous system, After drug use, the central nervous systemis impaired, leading to abnormal pupil responses to light. The pupil detection device applies a light stimulus to the eye (based on the principle of the pupillary light reflex). This stimulus inevitably causes changes in the pupil which are then analyzed to determine whether the subject is suspected of drug use.
Our approach combines pupil feature detection with traditional methods for detecting eyeball lesions (e.g., identifying concave spots, speckles, radial patterns, pigmentation, ciliary features, and other detailed characteristics),significantly enhancing accuracy.

Applicable to All Inspection Scenes
Raid inspections,checkpoint screenings, border inspections,high-risk positions, and key units.

Device Location Tracking
Capable of pinpointing the device's

5-Second Detection,2-Second Results
Non-invasive,contamination-free,consumable-free, fully automated detection, greatly enhancing case handling efficiency.

Real-Time Data Transmission
The detection data is transmitted in real time to the designated server.

Multi-Mode Detection
Supports offline detection, online detection, left-eye detection,right-eye detection, and binocular detection.

Multiple Methods for IdentityVerification
Supports identification via ID card,facial recognition, iris recognition, etc.

Technical Parameter

Detection Time	5-second detection,2-second results
Detection Process	Fully automated voice prompts
Display	5-inch high-precision touch screen with multitouch
Connectivity	WiFi/4G
Audio	Built-in microphone for voice data detection
Storage Capacity	>10,000 records
Illumination	940nm near-infrared light source
Battery Capacity	5000mAh x3 ultra-high capacity
Battery Management	Removable battery with power status display
Results System	Interface Integrates with public security facial/iris recognition data bases
Result Query	Multidimensional results age, time,outcome, gender, etc
OS	Android
GPS	Supported
Camera	Supported
Video Recording	Supported
Bluetooth Printer	Supported
OperatingDuration	>15 hours (normal use)
OperatingTemperature	-20℃ to 55℃

Product Configuration

C4i communication

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