



HARDWARE AND SOFTWARE SUITE

GUNCHECK

FOR SECURITY

<https://metakom.tech>

GUNCHECK

CRIMINALS AND TERRORISTS PULL
GUNS LONG BEFORE THE FIRST SHOT
IS FIRED

THOUSANDS OF **CAMERAS** IN CITIES
ARE RECORDING
ARMED PEOPLE **EVERY DAY**

HOWEVER, THE GUN BEING CAUGHT
ON CAMERA **DOES NOT USUALLY**
ENTAIL AN IMMEDIATE POLICE
RESPONSE





GUNCHECK

ACCORDING TO SOME STUDIES, VIDEO
SURVEILLANCE OPERATORS BEGIN TO
OVERLOOK UP TO
95% OF SCREEN CONTENT
IN AS LITTLE AS 40 MINUTES OF WORK

OUR **ARTIFICIAL INTELLIGENCE**
SOLUTION IS CONTINUOUSLY
SEARCHING FOR
ARMED PEOPLE IN ALL AVAILABLE
VIDEO STREAMS

GUNCHECK

THE SOFTWARE RECOGNIZES WEAPONS
IN REAL TIME

IF AN **ARMED PERSON** IS DETECTED, THE
PROGRAM WILL **ALERT** THE OPERATOR
AND PERFORM **THE PROGRAMMED**
ACTIONS:

- SAVE AND SEND PHOTO
- NOTIFY POLICE
- TURN ON ALARM
- LOCK THE DOORS, ETC.



GUNCHECK

THE HARDWARE AND SOFTWARE SUITE
IS COMPATIBLE WITH
EXISTING INFRASTRUCTURE
OF CITY CAMERAS

THE PROGRAM IS **OPTIMIZED** TO RUN ON LOW-
COST SERVERS AND COMPUTERS

THESE TWO FACTORS SIGNIFICANTLY **REDUCE**
IMPLEMENTATION COSTS



HOW DOES IT WORK?



AN RTSP-ENABLED IP CAMERA
BROADCASTS VIDEO IN
REAL TIME



VIDEO STREAM IS **PROCESSED** ON
A VIDEO CARD WITH **CUDA**
ARCHITECTURE



ARTIFICIAL INTELLIGENCE
SEARCHES FOR OBJECTS THAT
LOOK LIKE WEAPONS



IF A **WEAPON IS PRESENT** IN THE
FRAME, THE OPERATOR IS
ALERTED

SYSTEM REQUIREMENTS

MINIMUM

CPU 2GHZ / 8 CORE
8 GB RAM
RTX2060 8 GB

RECOMMENDED

CPU 2GHZ / 8 CORE
16 GB RAM
RTX3070 8 GB

CAMERA REQUIREMENTS

H.265/H.265+, RTSP, 4-5 MP,
1920*1080*25FPS,
BITRATE 8 MBPS

GUNCHECK BENEFITS

FOREIGN COUNTERPARTS

ONE VIDEO CARD PER CAMERA

DETECTION RANGE UP TO 10-15 M.

EXPENSIVE EQUIPMENT

FALSE ALARMS OF THE SYSTEM

USE COMMERCIAL SOFTWARE

POSSIBLE SOFTWARE BUGS & VULNERABILITIES

HIGH SUPPORT COSTS

EXPENSIVE LICENSES

VS

GUNCHECK SOFTWARE

ONE VIDEO CARD PER UP TO 16 CAMERAS

DETECTION RANGE UP TO 30 M.

LAPTOP OPERATION WITH MOBILE RTX 3070

STEREO PAIR OPERATION CAPABILITY

USES FREE SOFTWARE

PASSED REQUIRED TESTING

ONLY ONE SETUP IS NECESSARY

AFFORDABLE LICENSE FEE

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