



Vasilios Charmpilas, CEO Signal Electronics Security

WELCOME



IOT EMBEDDED SECURITY

Leading a revolution in CCTV Cyber Security



Grigoris Dimitropoulos, Named Account Manager GR
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YOU DESERVE THE BEST SECURITY

CHECK POINT: THE LEADING GLOBAL CYBER SECURITY COMPANY

GLOBAL LEADER

100,000+ CUSTOMERS,
88+ COUNTRIES, 6,200+ PARTNERS

CUTTING-EDGE TECHNOLOGIES

OVER 25 YEARS OF EXPERTISE,
INDUSTRY'S MOST VISIONARY PLAYER

INNOVATION LEADERSHIP

HIGHEST NUMBER OF AI REAL-TIME
PREVENTION TECHNIQUES

6,000+

EMPLOYEES WORLDWIDE,
TOP TALENT

TRADED ON NASDAQ

1996 |CHKP

WORLD'S BEST EMPLOYER

BY FORBES, #1 CYBER SECURITY
VENDOR

TRUSTED BY



FORTUNE 500
COMPANIES

30 YEARS OF RECOGNITION

NETWORK

Gartner

23 times Security Leader in Magic Quadrant

Gartner

Customers' Choice for Unified Threat Management



Highest cyber prevention score in Breach Prevention



ENDPOINT & EMAIL



Highest coverage of detected attacking techniques



Top Product Scoring: 17.5 / 18



A leader in Cloud Email Security



MOBILE



Highest Mobile security value

Gartner

CLOUD



CloudGuard, Leader in 3 customer choice grids



LOOKS ARE DECEIVING



Plug & Play



AI & ML



Ruggedized IP68



Satellite Connectivity



LiDAR

THE PRODUCT



 Bethesda
© 2011 4d Software LLC, a ZeniMax Media company (see by permission)

YOU BUY

LOOKS ARE DECEIVING



Shadowed, Unmanaged



Outdated OS



No Built-in Security



Difficult to Patch

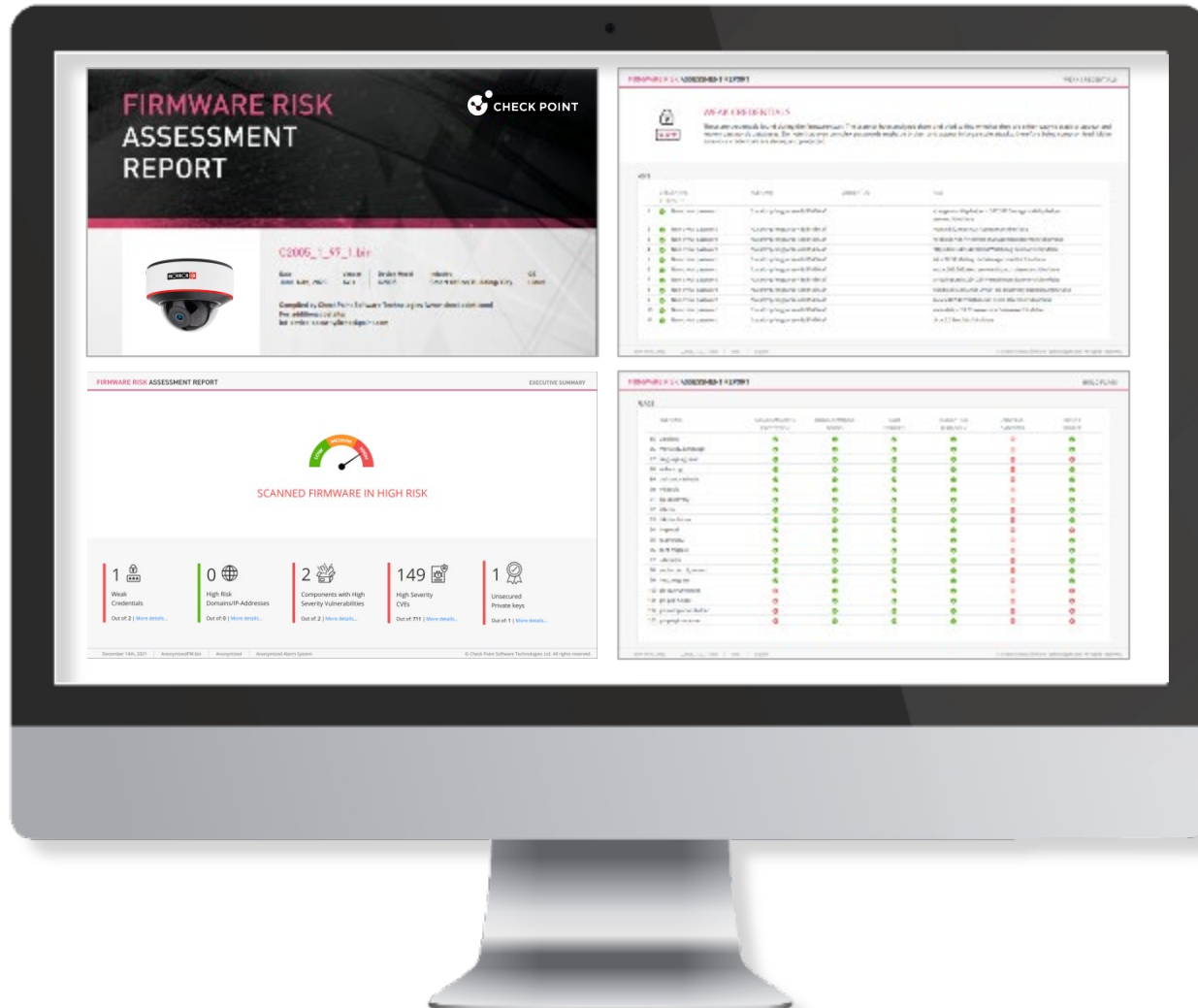
Weak Password

THE CYBER



YOU GET

FIRMWARE RISK ASSESSMENT UNCOVERS DEVICE-SPECIFIC SECURITY RISKS



ATTACK VECTORS



Weak/Known Credentials



Known Vulnerabilities (CVEs)



SW Misconfigurations



Suspicious Listed Domains



Unsecured Private Key

HOW IT WORKS IN THE REAL WORLD

Vulnerable Domain Controller
Employee network attacks
ZeroLogon ([CVE-2020-1472](#))
Pass-The-Hash

Scan the Network



Exploited old vulnerabilities
in Axis Cameras
[CVE-2018-10660](#)
[CVE-2018-10661](#)



The next hop targeted a ZyXEL NAS
[CVE-2020-9054](#)

NEW CHALLENGES

REGULATIONS AND COMPLIANCE
SECURITY BY DESIGN
BRAND PROTECTION

5G | Directly Connected to the **Internet**

Security by Design



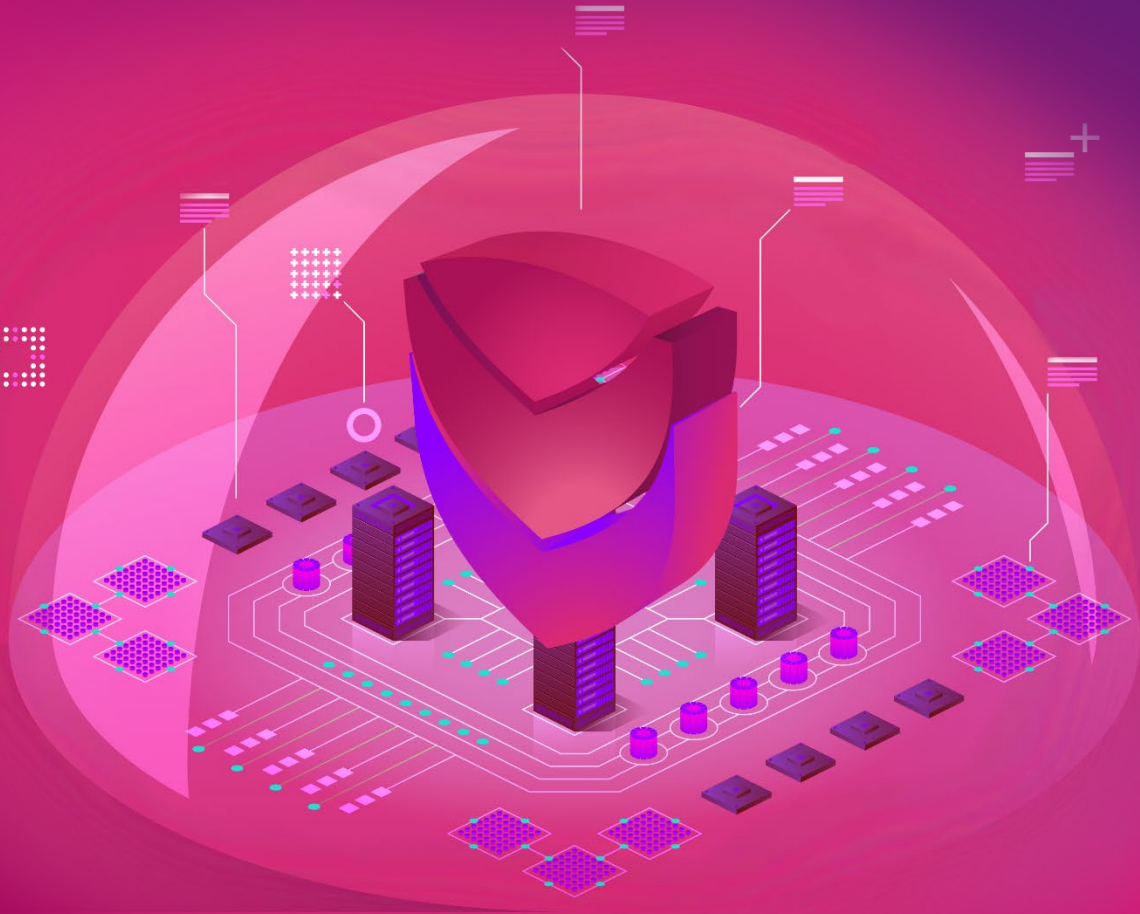
Regulations and Standards

Built-in Security

The Check Point Ethos

**PREVENTION
NOT
DETECTION**

Once Malware is inside,
it's already too late!





Secure Device
Operation



Firmware
Hardening



Exploit Prevention



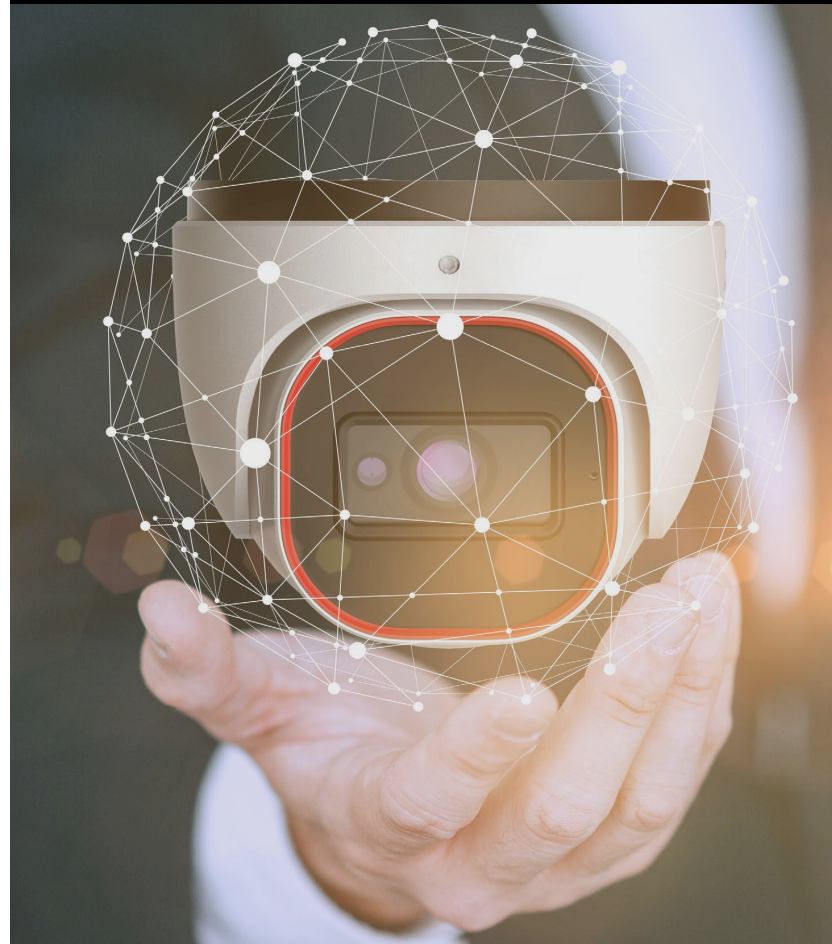
File
Monitoring



Malware Execution
Prevention



RAISING THE BAR ON CCTV CYBER SECURITY



Second security layer – Active security

PHYSICAL & CYBER security COMBINED



Camera

- test
- I4320IPE36
- IPC
- Street Counting
- 2nd Floor
- Front Door Face
- Show Room Face
- I8-340IP5MVF+
- thermal

CHECK POINT PROTECT



CYBER PROTECTION ENABLED



Malware Execution Prevention



Privacy & User Data Protection



Ensure Valid Device Operations



Network Exploit Prevention

Close

Navigation icons: list, zoom, window, grid, keyboard, OSD

Control icons: play, volume, REC, microphone, camera, notification, info, refresh, cloud, date/time: 19/04/2022 09:06:45



RECENT (5) | Policy | SOC | IoT Firmware Report | Endpoint | Browse

Show previous product names

INFINITY-VISION

Unified Solution

SOC
Policy

QUANTUM

Secure the Network

Smart-1 Cloud
IoT Network Security
IoT Firmware Report

CLOUDGUARD

Secure the Cloud

Posture
Network
Workload
Identity
ShiftLeft
Intelligence

HARMONY

Secure Users & Access

Connect
Endpoint
Mobile
Email & Collaboration
Browse

CHECK POINT LABS

Early Availability

SourceGuard
Harmony Email & Office 2.0
ThreatGuard
Infinity Events
Infinity XDR
App Protect

WELCOME TO INFINITY NEXT

The first asset-centric, fully consolidated cyber security architecture that allows Security and DevOps teams to have full visibility and implement Access Control, Application & API Security and Threat Prevention against cyber threats across cloud, networks, endpoint, mobile and IoT.

System

Live display | Camera | Record | Events and Analysis | Disk | Network | Accounts and Permissions

Basic | Maintenance | System information

No.	Main type	Log time	Content	Details
1	Alert			ero-Day Protection
2	Alert			ero-Day Protection
3	Operation	No. 1		Nano-service started
4	Alert	Log time: 19/04/2022 01:29:45		ero-Day Protection
5	Alert	Type: User	Alert - Critical Attack Prevented	ero-Day Protection

Log details: Workload Protection Zero-Day Protection - Shell Injection - [mp]wipencp/workloadProtection/samples/antix: sample - Command: ping -t 1 8.8.8.8.eco

Statistics

29 Devices Reported these events | 16 High Risk Attacks Distinct attacks | 25 Prevented Attacks Distinct Attack Types

Top Source and Destination Countries

Top Protections

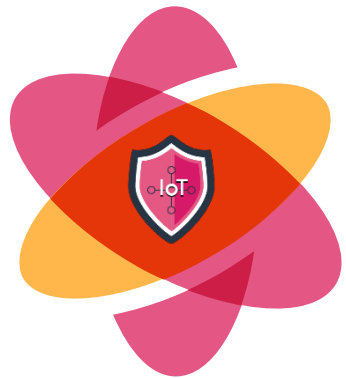
Protection Name	Severity	Action	Events
Malicious Executable	Critical	Detect	1.4K
GNU Bash Remote Code Execution	Critical	Prevent	1.3K
Ping of Death	Medium	Prevent	178
MIT Kerberos kadmin RPC Library RPCSEC_GSS Authentication B...	Critical	Detect	100
EICAR-Test-File	High	Prevent, Detect	20
Virus.WIN32.Eicar-Modified-Test-File	High	Detect, Prevent	18
REP.gacp	Medium	Detect, Prevent	16
Cisco Unified Communications Manager CTL Provider Heap Overf...	Critical	Prevent	12
REP.gacso	Medium	Detect, Prevent	12
Air-N Technologies SecurityGateway Username Buffer Overflow	High	Detect, Prevent	10
Microsoft Windows RASMAN Service Memory Corruption (MS06-...	Critical	Detect, Prevent	10

Hosts Infected with Bots

Source	Severity	Bots
ip-192-168-20-30.eu-cent...	Crit...	1 Protection
ip-192-168-10-115.eu-ce...	Crit...	1 Protection
ip-192-168-52-9.eu-centr...	Crit...	1 Protection
ip-192-168-55-81.eu-cent...	Crit...	1 Protection
ip-10-3-53-12.eu-central...	Info...	0 Protections

Activity Timeline

Legend: Critical (Red), High (Orange), Medium (Yellow), Low (Green), Informational (Blue)



Quantum
IoT Embedded



- Help manufacturers build **secure-by-design** IoT devices
- **Complete end-to-end solution**, for all firmware security needs.
- **Assess, harden and manage** security at the device level.
- Upgrade your full security posture with **Checkpoint**



THANK YOU



Konstantinos Rakantas, IT Manager Signal electronics Security

PRODUCT RANGE

STATIC CAMERAS - AVAILABLE MODELS

2 MP

DI-Fix
DI-320IPS-28



2.8mm

DI-VF
DI-320IPS-VF



2.8-12mm

I2-Fix
I2-320IPS-28



2.8mm

I4-VF
I4-320IPS-VF



2.8-12mm



4 MP

DI-Fix
DI-340IPS-28



2.8mm

DI-MVF
DI-340IPS-MVF



2.8-12mm / MVF

I2-Fix
I2-340IPS-28



2.8mm

I4-MVF
I4-340IPS-MVF



2.8-12mm / MVF



8 MP

DI-Fix
DI-380IPS-28



2.8mm

DI-MVF
DI-380IPS-MVF



2.8-12mm / MVF

I2-Fix
I2-380IPS-28



2.8mm

I4-MVF
I4-380IPS-MVF



2.8-12mm / MVF



PTZ CAMERAS - AVAILABLE MODELS

KEY POINTS:

- PoE support
- HWDR (120dB)
- SD-Card Support
- DDA Analytics with Auto-Tracking
- "In-ceiling installation option (Z4 models with optional bracket)
- Full compatibility with all Provision-ISR platforms through Provision-ISR protocol
(Ossia NVRs, Ossia VMS, Provision CAM2 Mobile App)



AVAILABLE MODELS:

Z4-25IPE-2(IR)

Z4-25IPE-4(IR)

Z5-25IPE-2(IR)

Z5-25IPE-4(IR)

Z6-32IPE-4(IR)



Network Video Recorders - AVAILABLE MODELS

KEY POINTS:

- 4 / 8 / 16 / 32 / 64 / 128 Channels
- Advanced Video Analytics support (by IPC)
- Plug In free Web browser
- Full compatibility with all Provision-ISR platforms through Provision-ISR protocol (Ossia NVRs, Ossia VMS, Provision CAM2 Mobile App)





NDAA
Compliance

Provision-ISR is committed to providing NDAA compliant products and does not have OEM, ODM, and JDM relationships with the named vendors in the NDAA.



THANK YOU