



Support

How can we help?

Support for Home ProductsSupport for Business Products

My Account

Your Account

Log in to your Bitdefender account and manage security for what matters.

Bitdefender CentralGravityZone CLOUD Control Center



For Home

For Business

For Partners

Company

Labs

Support

My Account

Security plans

Premium Security

Complete protection and unlimited VPN for 10 users.

Total Security

Most Popular

Complete protection for 5 or 10 devices. Limited VPN.

Internet Security

Windows only security with limited VPN.

Antivirus Plus for Windows

Basic protection for Windows only.

Antivirus for Mac

Basic protection for Mac only.

Bitdefender Premium VPN

Ultra-fast VPN that keeps your online identity and activities safe from hackers, ISP's and snoops.

See all security plans

For existing customers

Renewal & Upgrade

Support

Trial & free products

Security plan trials

Antivirus Free

See all Bitdefender Premium services

All Solutions

PC

Mac

Mobile

Multiplatform

PRODUCTS

Bitdefender Ultimate Security

New

Bitdefender Premium Security

Bitdefender Small Office Security

Bitdefender Total Security

Bitdefender Internet Security

Bitdefender Antivirus Plus

Bitdefender Family Pack

Bitdefender Smart Home Security

Already a customer?

Renewal & Upgrade

Get Support

Join the community!

SERVICES

Bitdefender Identity Theft Protection

New

Bitdefender Digital Identity Protection

New

Bitdefender Premium VPN

Bitdefender Home Network Support

Bitdefender Computer Tune-Up

Bitdefender VIP Support

Premium Services

Live Support offered by certified experts

Password Manager

TOOLBOX

Free Tools

Antivirus Free

Home Scanner

Compare Solutions

Trial Downloads

Log in to Central

Free Tools

PRODUCTS

Bitdefender Ultimate Security

New

Bitdefender Premium Security

Bitdefender Small Office Security

Bitdefender Total Security

Bitdefender Family Pack

Bitdefender Smart Home Security

Bitdefender Antivirus for Mac

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SERVICES

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New
Bitdefender Digital Identity Protection
New
Bitdefender Premium VPN
Premium Services
Live Support offered by certified experts
Password Manager

TOOLBOX

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Bitdefender Mobile Security for iOS

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Why Bitdefender

MID-MARKET & ENTERPRISE

GravityZone Business Security
Next-Gen AV for Small Businesses
GravityZone Business Security Premium
Prevention, Hardening, Risk, and Incident Analytics
GravityZone Business Security Enterprise
Integrated Prevention, EDR and Risk Analytics
GravityZone XDR
Detect, discover, hunt, and respond across your organization.
Endpoint Detection and Response
Advanced attack visibility with guided investigation
Managed Detection and Response
SOC-Driven, Security-Focused Outcomes

SPECIALTY & ADD-ON

GravityZone Security for Virtualized Environments
Protection for Virtual Servers and Desktops
GravityZone Email Security
Cloud-based Email Security
GravityZone Security for Containers
Purpose-built Container and Linux security

MANAGED SERVICE PROVIDERS

GravityZone Cloud MSP Security
Advanced MSP Security Suite
MDR for MSPs
Threat detection, investigation, and response

GRAVITYZONE PLATFORM

Platform Overview
Compare Products
Online deals
Renew & Upgrade
Try for free
Switching from Symantec?

ALL PRODUCTS

Full list
Solutions Overview
Compare Products
Contact
Log in to GravityZone
Find a Partner
All Products (A-Z)

SOLUTIONS FOR

Endpoints Security
Small to Medium Business
Datacenters Security
Cloud Workloads Protection
Managed Security Services
Cyber Resilience
Cybersecurity Compliance

SECURITY SERVICES

Managed Detection and Response
Advanced Threat Intelligence

SUPPORT & PROFESSIONAL SERVICES

Enterprise Standard Support
Enterprise Premium Support
Professional Services

SPECIFIC USECASES

Education
Energy and Utilities
Financial Services
Healthcare
Managed IT Services
Manufacturing
Public Sector
Technology
Telecommunications
Retail
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Analysis from Bitdefender Labs
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AT A GLANCE

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Business Insights Blog

RESOURCES

Webinars
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Resource Library

INNOVATION & TECHNOLOGIES

Endpoint and Human Risk Assessment
Vulnerability Management
Anti-ransomware
Application Control
Exploit Defense
Fileless Attack Defense

Machine Learning (HyperDetect)
Network Attack Defense
Sandbox Analyzer
Extended Detection and Response
Incident Visualization
Behavior Analysis (Process Inspector)
Network Traffic Analytics
Root Cause Analysis
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RESELLER PARTNERS

Reselling Partner Program Overview
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Find a Reseller
Log in to PAN Portal

SERVICE PROVIDERS

MSP Partner Program Overview
Become an MSP Partner
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TECHNOLOGY LICENSING SOLUTIONS

OEM Technology Solutions
Advanced Threat Intelligence
Endpoint Protection SDKs
Gateway Protection SDKs

LICENSING OPTIONS

SDK Integration
Rebranding
Bundling

CONNECTED HOME PARTNERS

IoT Security Platform

ABOUT US

Overview
Management
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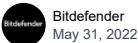
Research
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Threat Map
Support for Home ProductsSupport for Business Products
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CONSUMER INSIGHTS LABS BUSINESS INSIGHTS



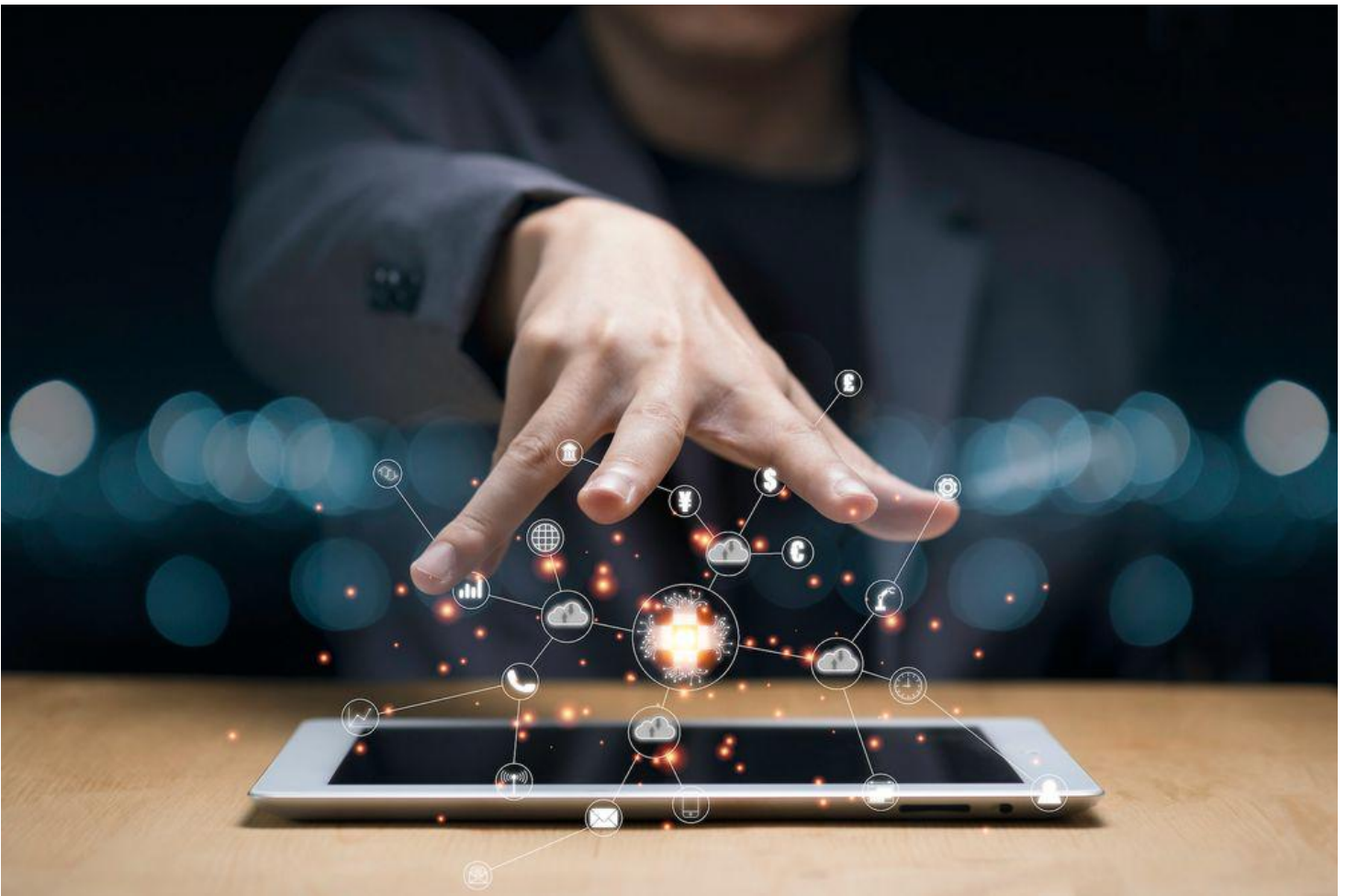
IOT RESEARCH WHITEPAPERS ⌚ 2 min read 📖

Vulnerabilities Identified in Eufy 2K Indoor Camera



Bitdefender
May 31, 2022

Ad One product to protect all your devices, without slowing them down.
[Free 90-day trial](#)



At Bitdefender, we care deeply about security, so we've been working with media partners and IoT device manufacturers to identify vulnerabilities in the world's best-selling connected devices. As the creator of the world's first smart home cybersecurity hub, Bitdefender regularly audits popular IoT hardware for vulnerabilities that might affect customers if left unaddressed. This research paper is part of a broader program that aims to shed light on the security of the world's best-sellers in the IoT space. This report covers the Eufy 2K Indoor Camera and is based on our research of the 2.0.9.3 firmware version.

Vulnerabilities at a glance

- Pre-authentication buffer overflow in the RTSP server on the **local network** ([CVE-2021-3555](#)). The vulnerable method of authentication needs to be enabled, as it is disabled by default.
- Man-in-the-middle attack that allows a third party to perform a malicious firmware upgrade and gain complete control over the device.
- Partial access to the AWS bucket. An AWS bucket is used to store media and crash log data. Although access keys cannot be obtained directly, there is an endpoint that will sign a request for an arbitrary path in the bucket. Uploaded files contain a random string in their name so they cannot be downloaded directly, as their path cannot be inferred. However, an attacker can still obtain a directory listing of the first 1,000 entries by signing and requesting the root path ("/"). These entries seem to contain crash data logs that might include serial numbers, user IDs, and other sensitive information that might help an attacker gain further access to these devices.

[Download the research paper](#)

Mitigation

Home users should keep a close eye on IoT devices and isolate them as much as possible from the local or guest network. This can be done by setting up a dedicated SSID exclusively for IoT devices, or by moving them to the guest network if the router does not support the creation of additional SSIDs.

Additionally, IoT users can use the [free Bitdefender Smart Home Scanner](#) app to scan for connected devices, identify and highlight vulnerable ones. IoT device owners should also make sure that they check for newer firmware and update devices as soon as the vendor releases new versions.

To minimize risks of compromise, smart home users should consider the adoption of a network cybersecurity solution integrated into the router, such as the NETGEAR Orbi or Nighthawk routers powered by [Bitdefender Armor](#).

TAGS

iot research

whitepapers

AUTHOR



Bitdefender

The meaning of Bitdefender’s mascot, the Dacian Draco, a symbol that depicts a mythical animal with a wolf’s head and a dragon’s body, is “to watch” and to “guard with a sharp eye.”

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