



Synology

20

19

SMART  
STREAMLINED  
SOLID

# Synology 2019



Will Davis  
Lead Sales Manager



# Surveillance Deployment

Best Practice

# Synology Surveillance Solution



# Various Camera Support



6,600+  
Cameras

120+  
Brands

ONVIF®

AXIS®  
COMMUNICATIONS

BOSCH

DAHUA  
TECHNOLOGY

HIKVISION

Canon

SAMSUNG

VIVOTEK

AMCREST

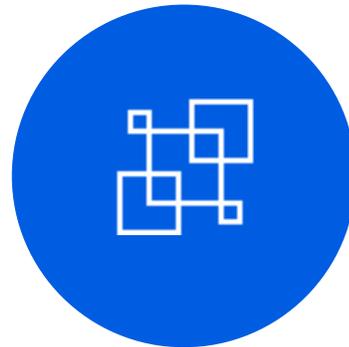
MOBOTIX

FOSCAM®  
home security

# Why Synology Surveillance Solution?



Robust Storage  
Solution



Rich Surveillance  
Features



Small to Large  
Deployment



No Monthly Fee

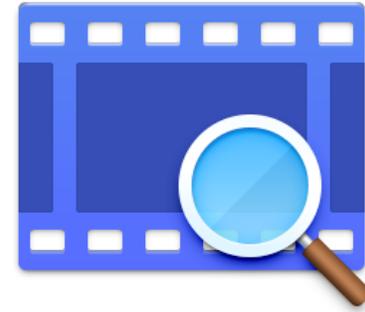
# Optimize Surveillance Deployment



Video Quality



Event Detection



Event Search



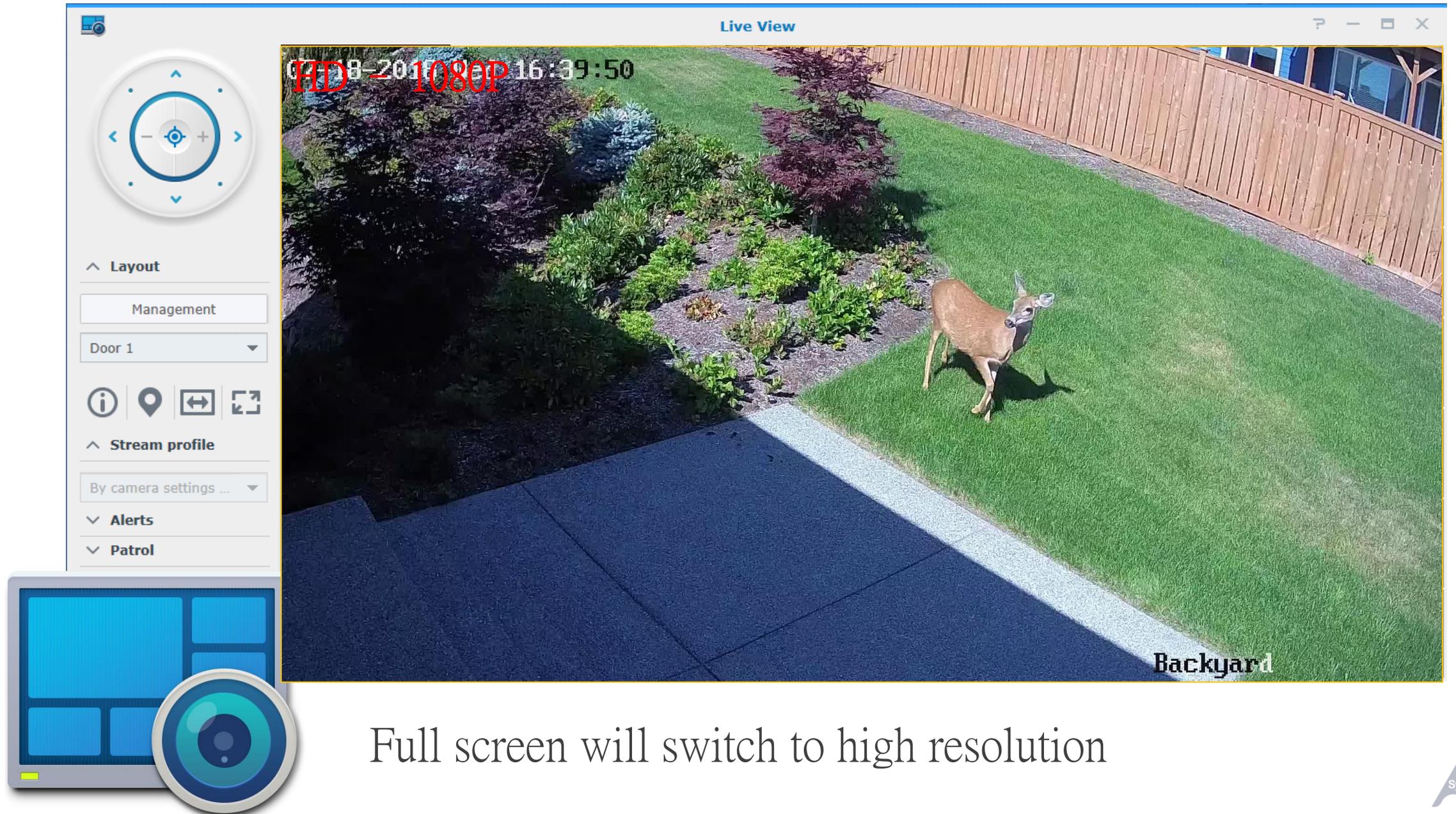
# Video Quality

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Multiple streams

Live View source

Live View device



Full screen will switch to high resolution

The screenshot displays the Synology Surveillance Station interface. On the left is a control panel with a circular navigation pad, a 'Layout' section with a 'Management' button and a 'Door 1' dropdown, and 'Stream profile' and 'Alerts' sections. The main area shows four camera feeds:

- Top-left: Labeled 'AXIS - P5544' and 'HD - 1080P' (with 'SD - 480P' crossed out). It shows a dining table with chairs and a window with blinds. A blue eye icon is in the top right corner.
- Top-right: Labeled 'SD - 480P'. It shows a modern kitchen with white cabinets and a black countertop.
- Bottom-left: Labeled 'SD - 480P'. It shows a large, empty indoor space with many columns, possibly a parking garage.
- Bottom-right: Labeled 'SD - 480P'. It shows a hotel room with a bed, a desk, and a window.

A yellow folder icon with a play button is overlaid on the bottom left of the interface.

Event detected, switch to high resolution recording



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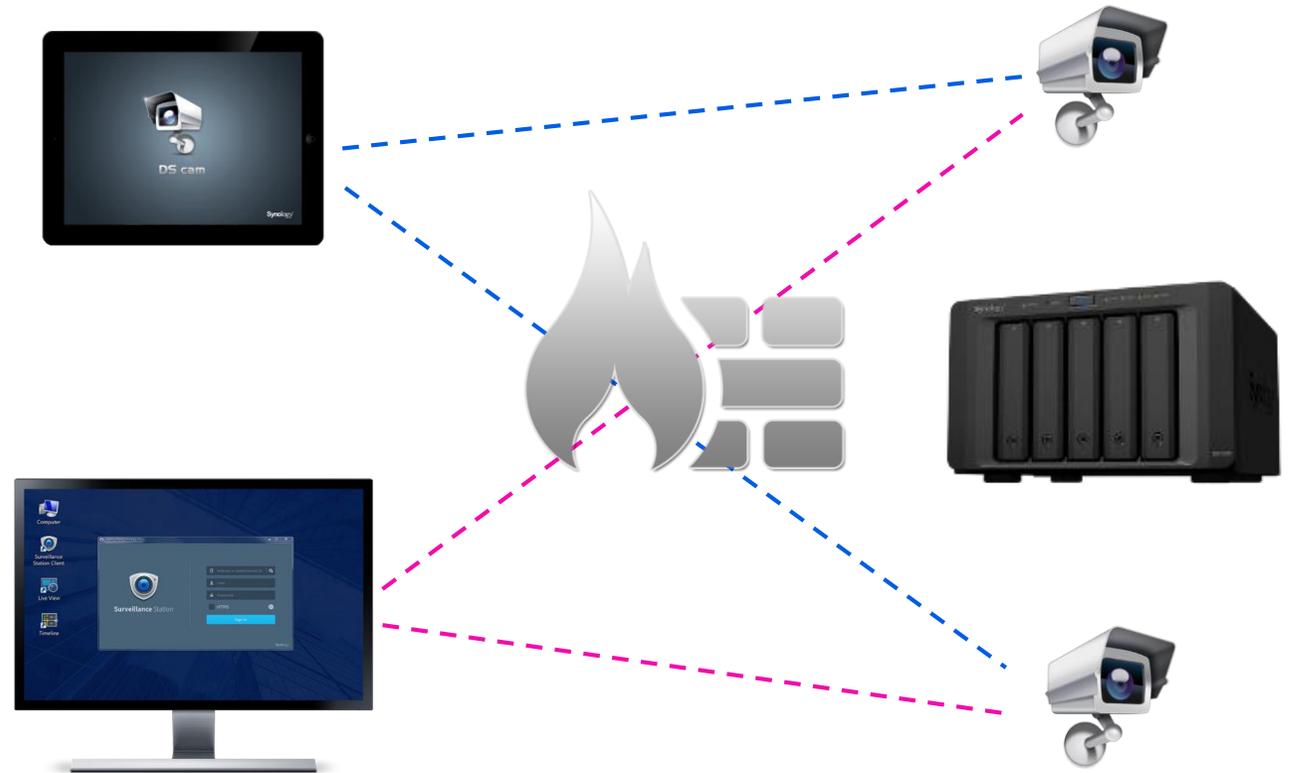
# Live View Source

## From Camera Directly

Lower latency

Camera might not support multiple connections

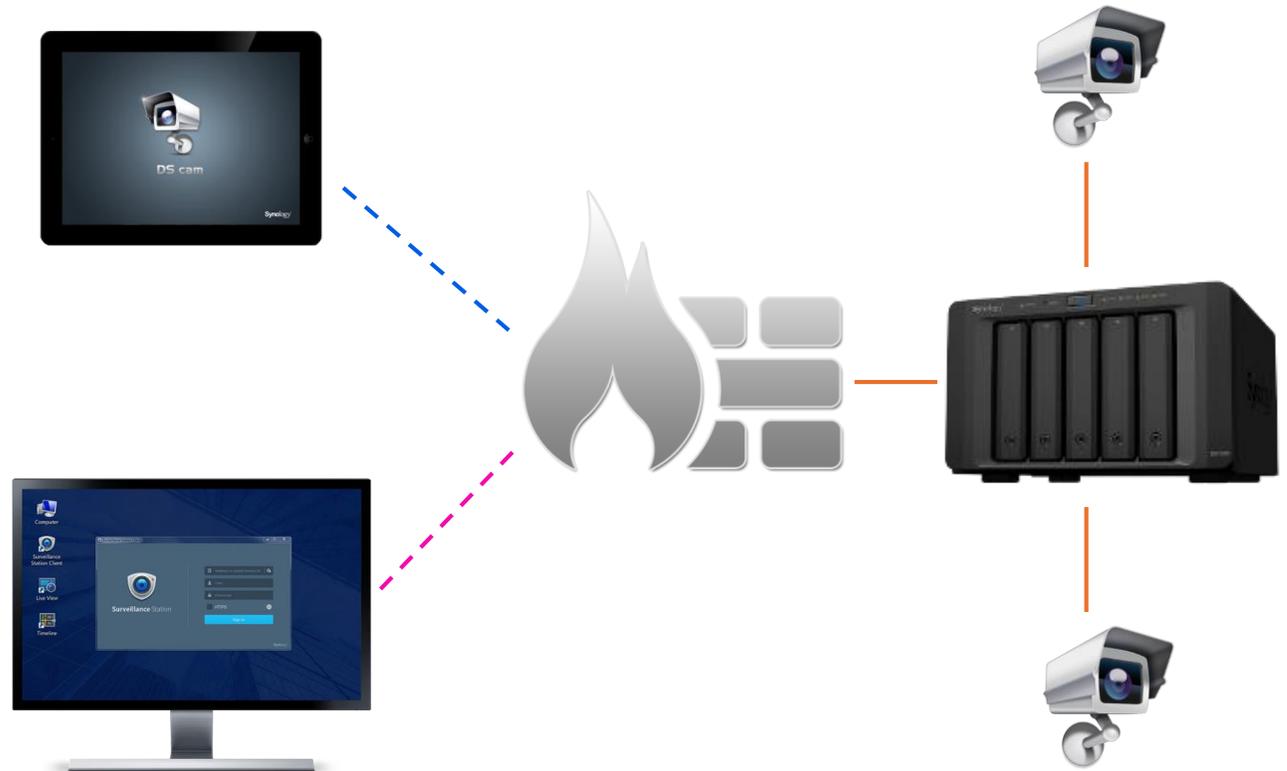
Complicated port forwarding



# Live View Source



Through Surveillance Station



# Choose Client Monitor Device

CPU	Built-in Graphic Card	# of CPU Cores	TDP	Total FPS
Intel Core i7-7700	✓	4	65W	1200FPS @ 720p, 120 Channels 800FPS @ 1080p, 80 Channels
Intel Core i5-7600	✓	4	65W	1000FPS @ 720p, 100 Channels 700FPS @ 1080p, 70 Channels
Synology VS960HD	-	-	7W	960FPS @ 720p, 96 Channels 580FPS @ 1080p, 58 Channels
Intel Core i3-7300	✓	2	51W	360FPS @ 720p, 36 Channels 200FPS @ 1080p, 20 Channels
Synology VS360HD	-	-	5W	360FPS @ 720p, 36 Channels 180FPS @ 1080p, 18 Channels

PC-less live view and playback device  
VS960HD



960 FPS

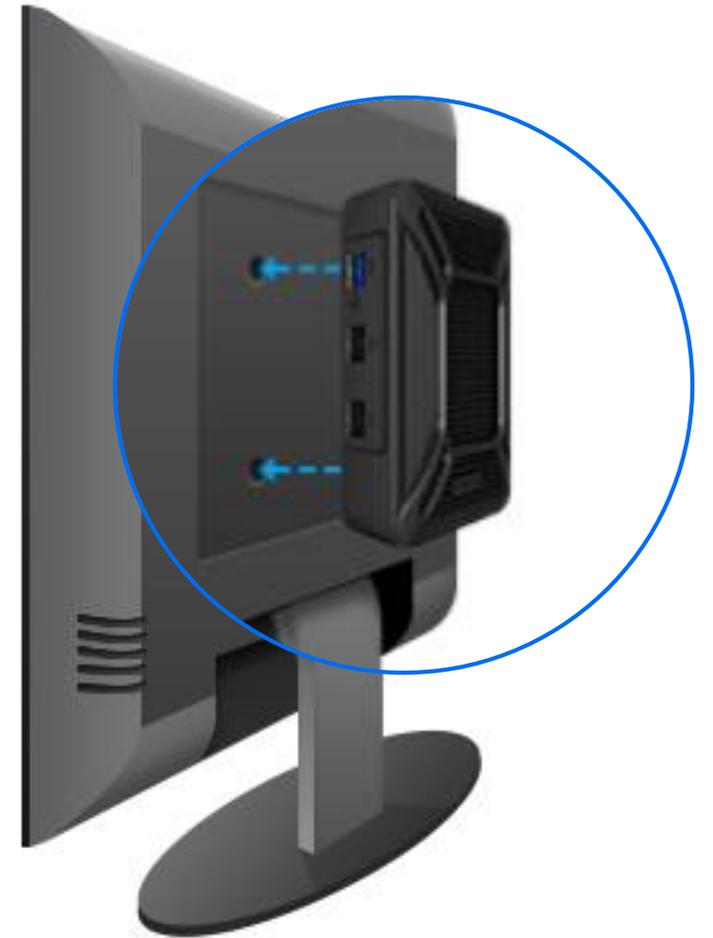
96ch @720p

2 HDMI

4K & 1080p

7.2 W

Power  
consumption



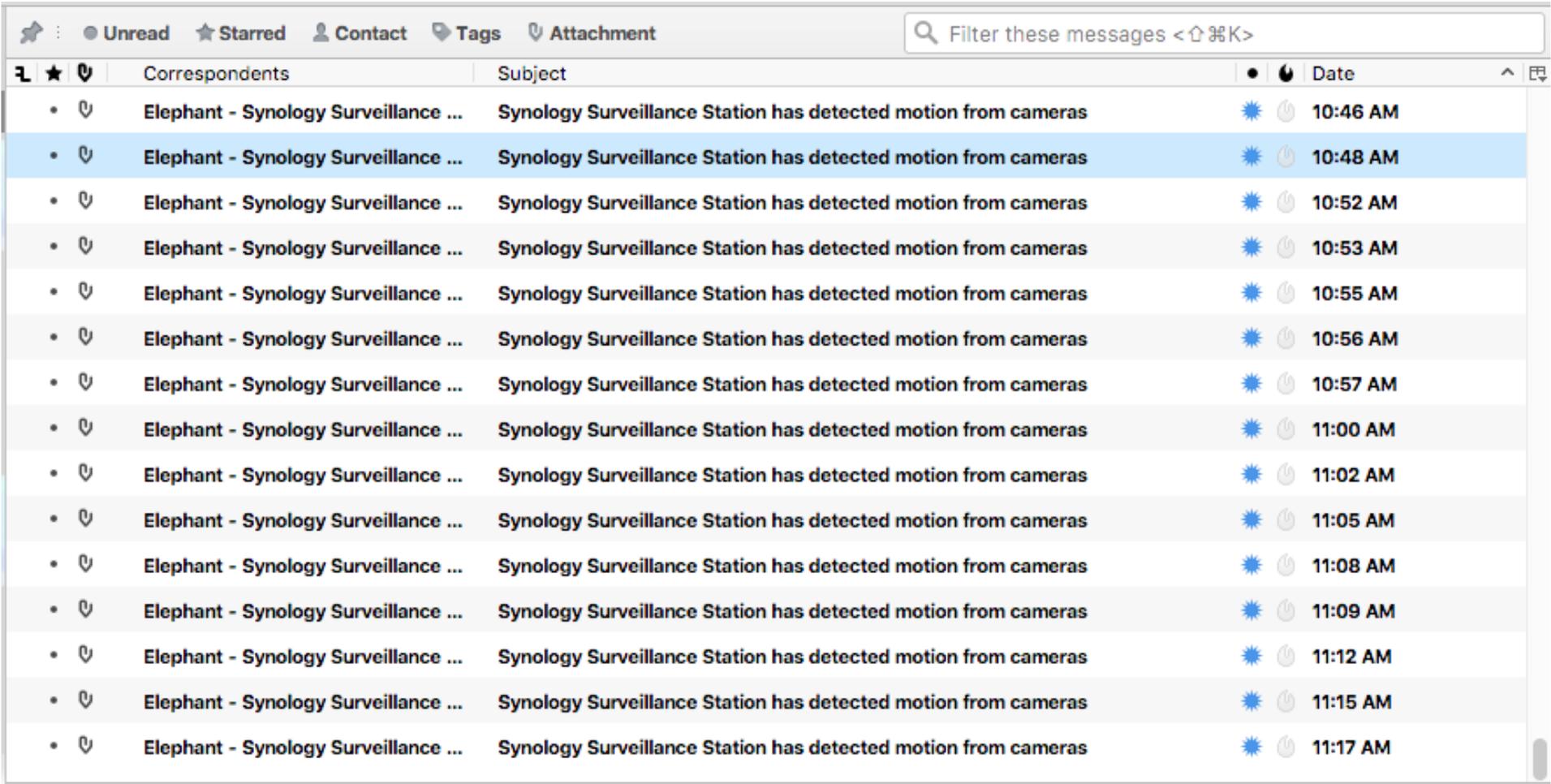


# Event Detection

Optimize Motion Detection

Optimize Event Notification

# Optimize Motion Detection



The screenshot shows an email inbox interface with a search bar at the top right containing the text "Filter these messages <⌘K>". Below the search bar are navigation icons for Unread, Starred, Contact, Tags, and Attachment. The inbox table has columns for Correspondents, Subject, and Date. The messages are all from "Elephant - Synology Surveillance ..." and have the subject "Synology Surveillance Station has detected motion from cameras". The dates range from 10:46 AM to 11:17 AM. Each message has a blue star icon and a grey trash icon to its left.

Correspondents	Subject	Date
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:46 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:48 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:52 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:53 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:55 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:56 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	10:57 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:00 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:02 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:05 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:08 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:09 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:12 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:15 AM
•  Elephant - Synology Surveillance ...	Synology Surveillance Station has detected motion from cameras	11:17 AM

### Event Detection - Garage Door

**Motion** | Tampering

Detection source:  
By Surveillance Station

Edit Detection Area

Sensitivity:  
95

Threshold:  
4

Ignore short-lived motion:  
[Disable]



### Motion Detection Area



08-07-2017 16:02:25

Garage Door

+ - [ ] [ ]

Save Reset

# Optimize Event Notification



Reduce Frequency



Schedule Mute



Enable Home Mode



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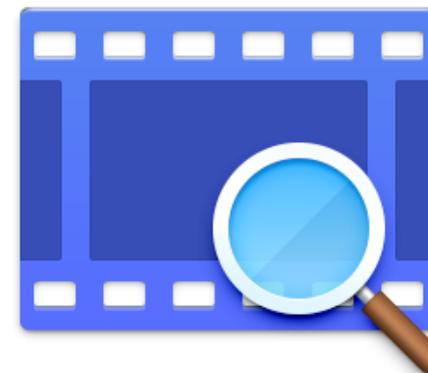
# Video Search



Recording



Timeline



Smart Search

# Advanced Integration



Door Control



Intercom



POS System



I/O Module

# Case Studies



200 locations  
2k+ cameras



17 Synology NAS  
550+ cameras



## **CAMDEN MARKET**

12 Viewing Stations  
250+ cameras



# Networking

[REVIEWS](#)[NEWS](#)[VIDEO](#)[HOW TO](#)[SMART HOME](#)[CARS](#)[DEALS](#)[DOWNLOAD](#)[JOIN / SIGN IN](#)

CNET > Computer Accessories > Networking > Best Wireless Routers for 2018 | Updated May 11, 2018

# Best Wireless Routers for 2018

Our editors hand-picked these products based on our tests and reviews.  
If you use our links to buy, we may get a commission.

## Synology RT2600ac

### The best router for savvy users

The Synology RT2600ac might be the best thing that's ever happened to home networking geeks. Here's CNET's full review.



# 9.0

Editors' Rating



# SRM

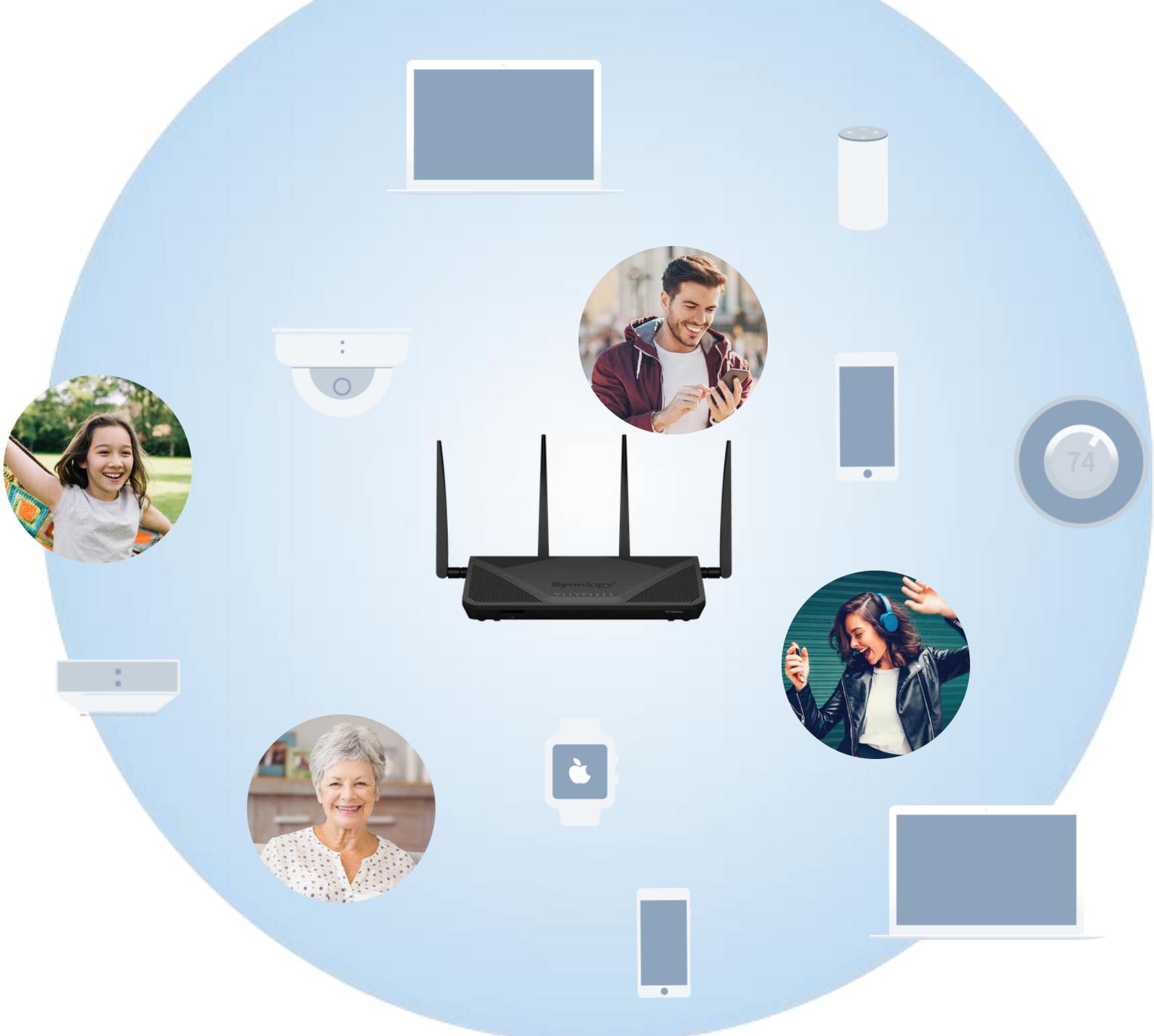
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Powerful Operating System

Intuitive Interface

Advanced Networking Features



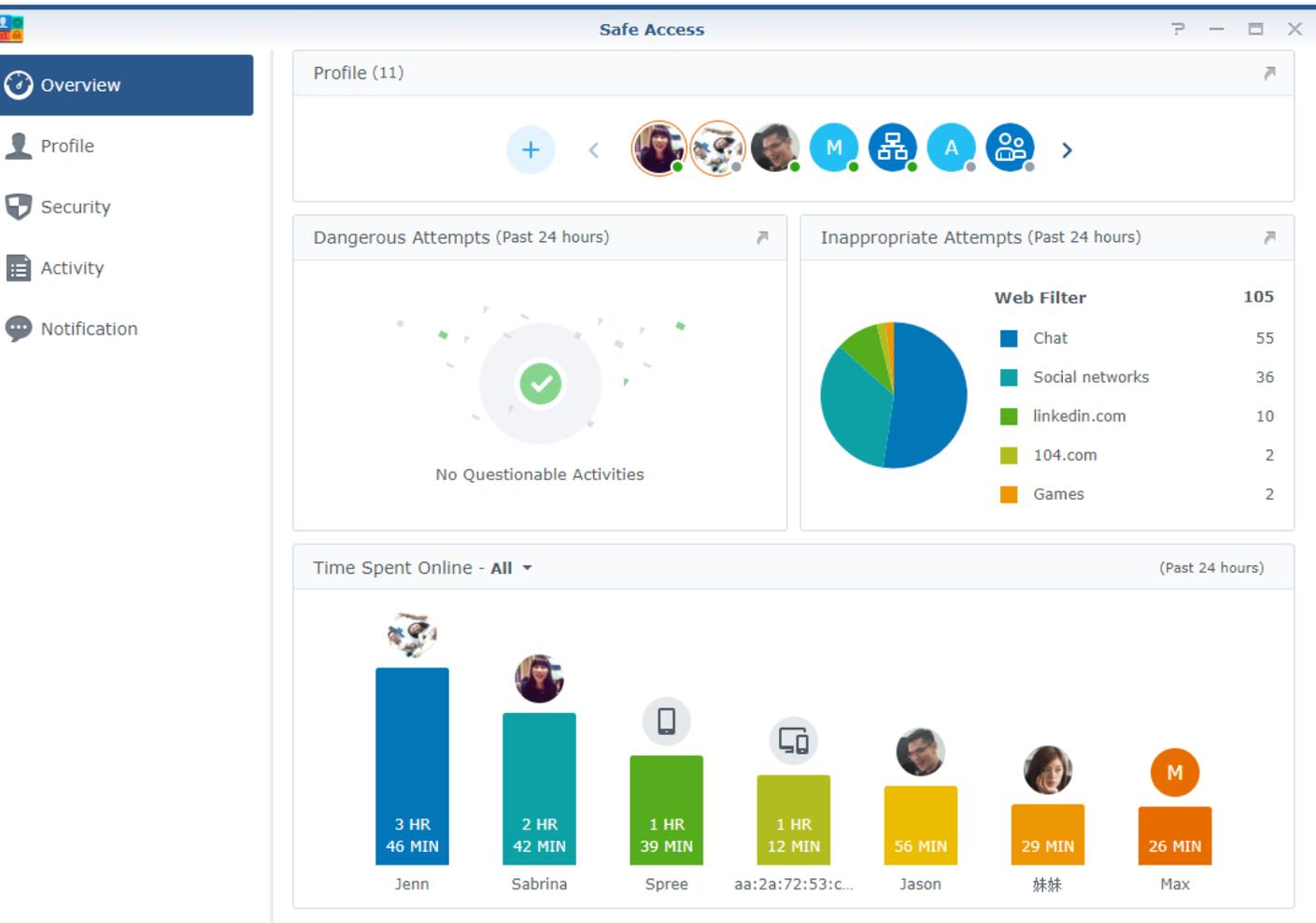




# Safe Access

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Guarding the network security  
comprehensively



# Safe Access

Manage devices by profiles  
Separate guest network and LAN

Web filter

Safe search

Internet schedule

Internet time quota

Security features



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# Threat Prevention

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Guarding the network security of all your devices



# Threat Prevention

Business grade intrusion prevention technology

Data analysis for malicious packets

Automatic protection

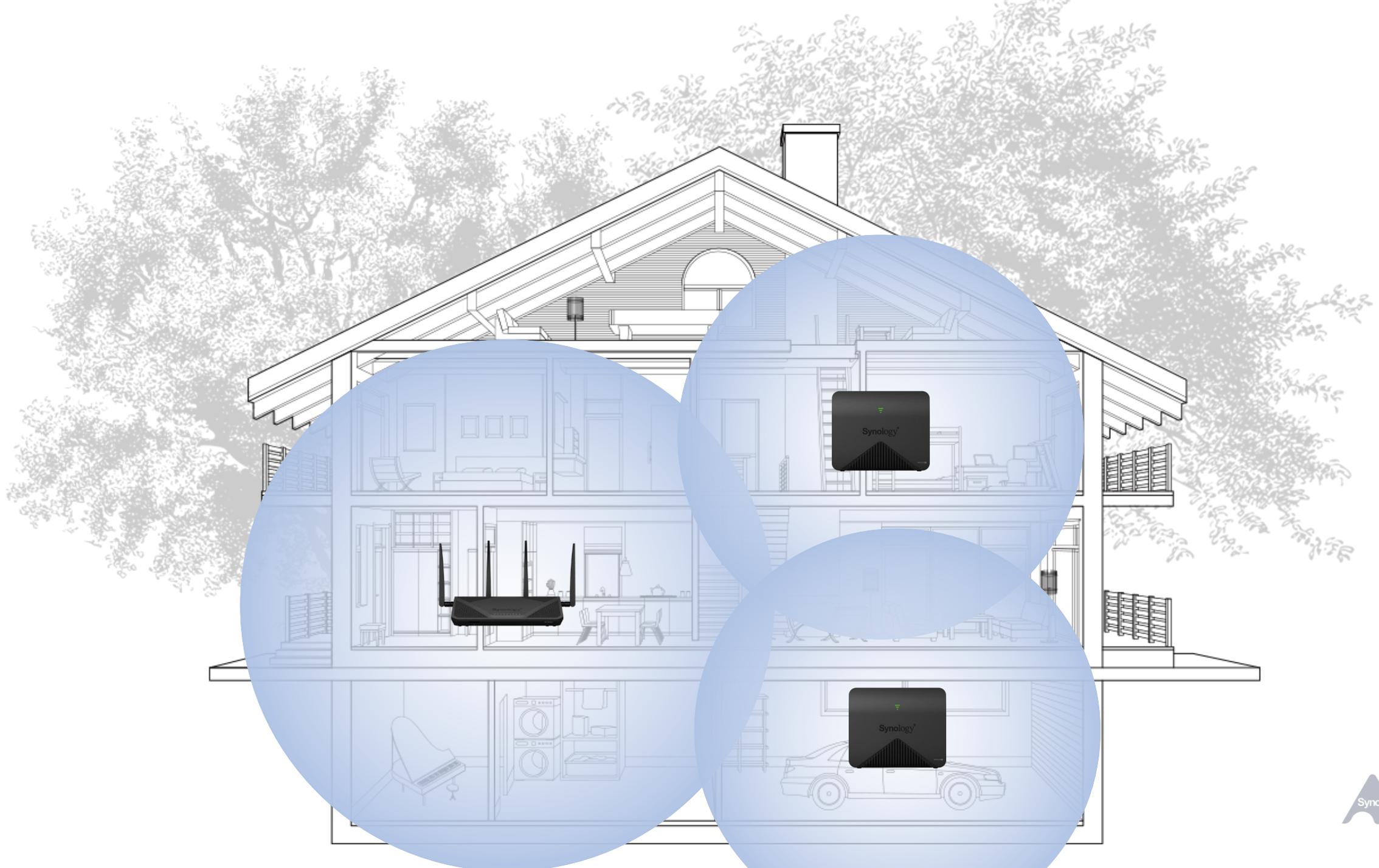
Available on RT2600ac

Blocking malicious websites or IP



Blocking data packets with suspected traits of malicious intent





# MR2200ac

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Quad-core CPU

Tri-band AC2200 Wi-Fi

Self-management, self-repairing



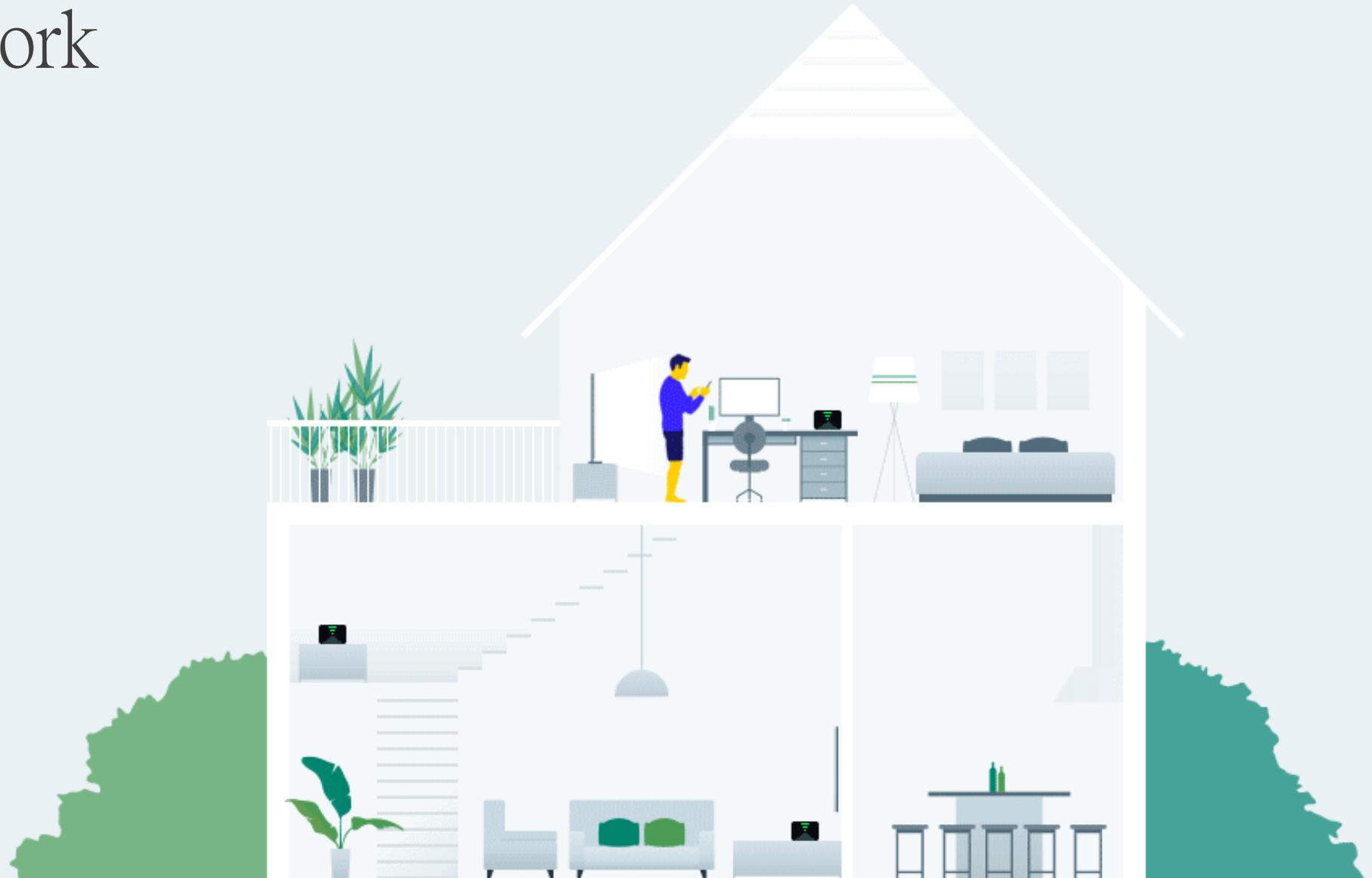
# Mesh Network

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Extended coverage

Single Wi-Fi name

Seamless roaming



# Create Your Own System



Standalone  
MR2200ac

2000 ft<sup>2</sup>



Multiple  
MR2200ac

2000 ft<sup>2</sup> x N



RT2600ac +  
MR2200ac

3000 ft<sup>2</sup> + 2000 ft<sup>2</sup> x N



# Wi-Fi Connect

Easily manage all the wireless functions



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# What's in 2019 – SRM 2.0

## VLAN

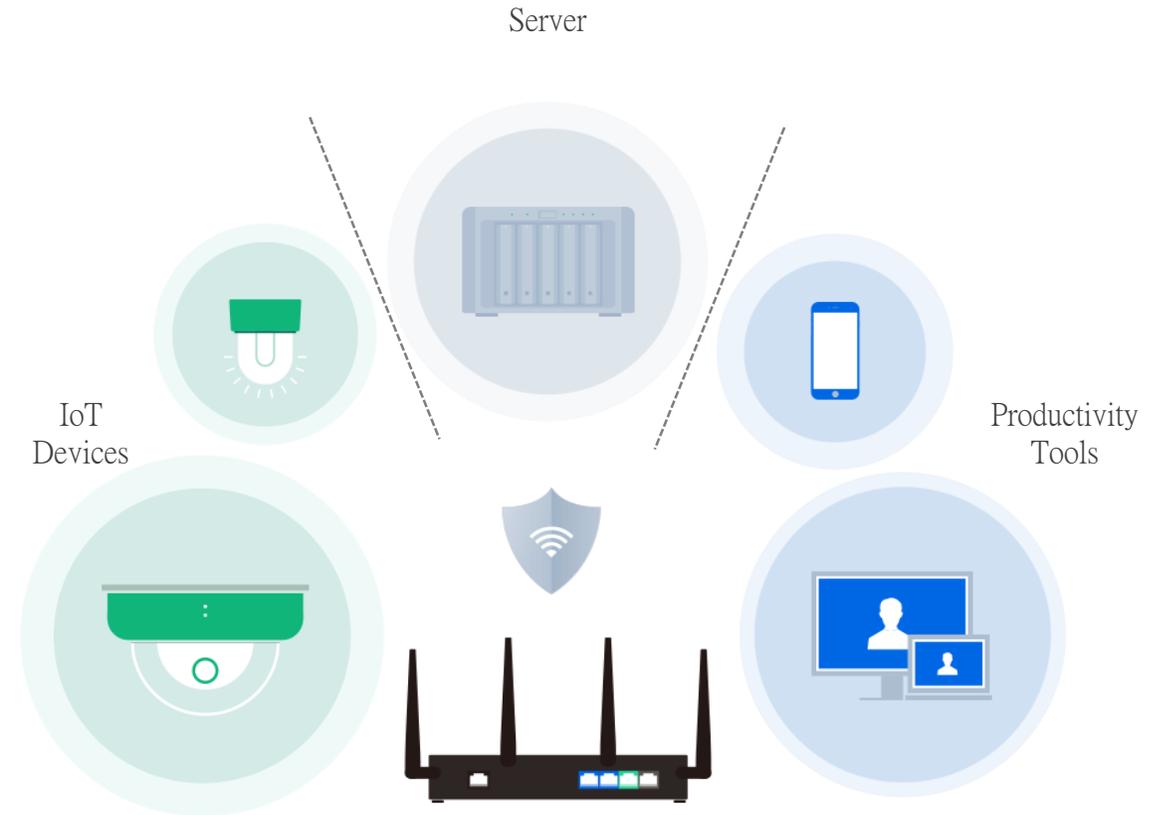
Isolate network with multiple VLANs

## Dashboard

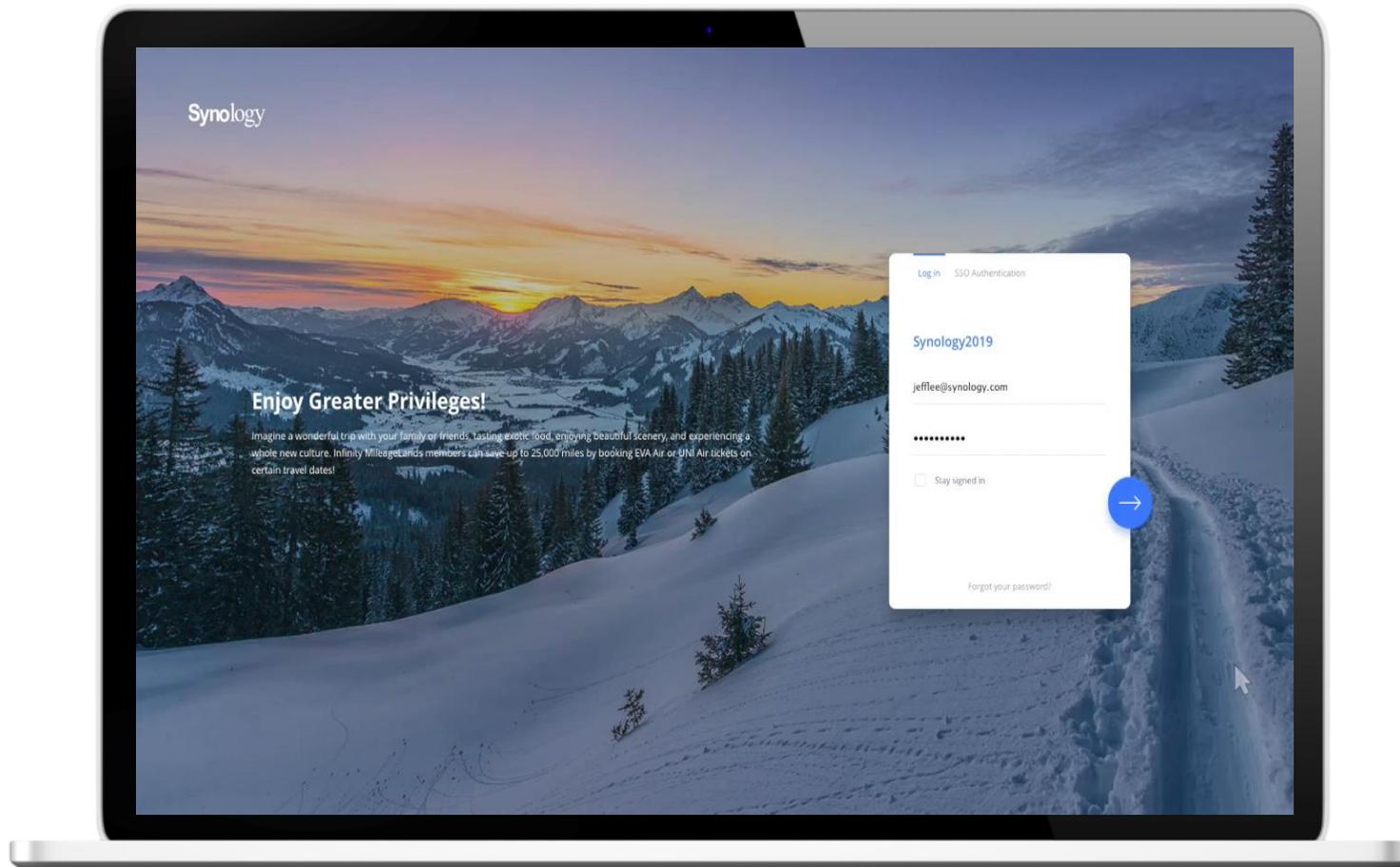
Comprehensive network traffic monitor

## Layer7 firewall

Deepening enterprise internal control



# DSM 7.0



# DSM 7.0

Refined User Interface

Enhanced Storage Reliability

Expanded Software Features



## Best Practice

Next generation file server

Backup business workloads

Virtualization storage

Surveillance deployment

Network security & MR2200ac



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# Partner & Giveaway





ioSafe N214  
disaster proof hardware

  
**ioSafe**<sup>®</sup>  
disaster proof hardware

# ioSafe - DISASTER PROOF HARDWARE

## Fireproof

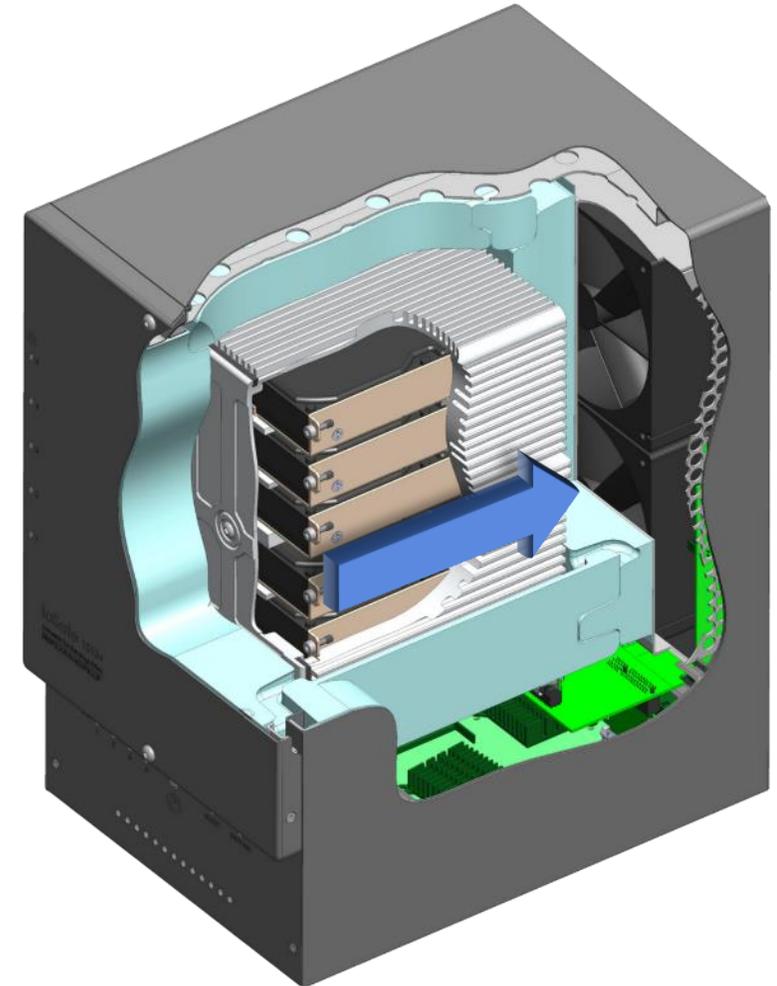


The ioSafe DataCast™ technology and FloSafe Vents protect data against fire – for 30 minutes, up to 1550 °F (ASTM E-119).

## Waterproof



The HydroSafe™ technology also protects data from flood and submersion in water – in depths of up to 10ft for 72 hours in fresh or salt water.



Powered by Synology Software & Hardware

# ioSafe in Action

- Disaster-proof on-site backup as part of the 3-2-1 backup strategy
- In-house archiving for complete control over
  - Business-critical data
  - Sensitive personal-related data
- A solution for any sized businesses with critical data to protect in real time





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DS218j

8 units

Versatile personal cloud for home



DS418j

8 units

4-bay NAS for home data backup



DS218+

8 units

Powerful and compact media center



DS1618+

2 units

High-performance NAS for multi-tasking challenges



# After Event Survey

- Fill out the survey and [win a DS718+](#)!
- Link closes October 19
- Don't forget to keep using [#Synology2019NYC](#) to win a DS718+!





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