



Enjoy smooth wireless streaming with QNAP NAS



LIVE

Live Broadcast Date:

MAY 8, 2018

Live Broadcast Date:

5:30 p.m. (UTC+8)



QNAP



**Build a perfect wireless video
streaming environment**

Agenda

- 1 ➡ **Foreword: video file and wireless network**
- 2 ➡ **Video data storage and protection**
- 3 ➡ **Build a wireless video streaming environment**
- 4 ➡ **Video management (Video Station)**
- 5 ➡ **Video playback**
 - Direct streaming from each device
 - Cinema28 multi-room streaming

Video: file size increases as video quality improves

- As technologies evolve, the size of video files have grown proportionally with the resolution.
- VCD (352×240) > DVD (720X480) > HD (1280x720) > FHD (1920x1080) > 4K UHD (3840x2160)
- AR / VR



The age of wireless networks

- Wireless network will completely replace wired network in the next 10 years, becoming the mainstream of future device networking
- It is estimated that by 2020 there will be 50 wireless networked devices in each home



Most devices in life are dominated by wireless Internet connections



As a video enthusiast.....



How to easily organize massive video files?

The use of multimedia devices is complicated to set up and operate?

How to build an efficient video streaming network environment ?

How to store and protect a large number of audio and video files?

How to choose the most suitable playback method?

Build a wireless video playback environment



QNAP NAS

Complete file protection mechanism for videos
+ QWA-AC2600 PCIe wireless adapter



Video Station

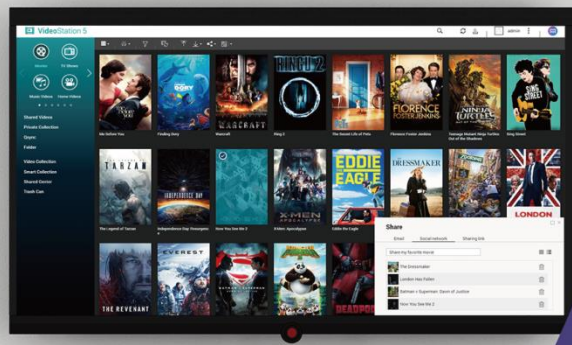
Video library for flexible management



Cinema28

Multi-room audio and video control center

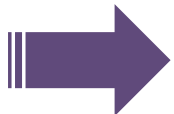
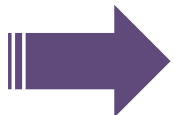
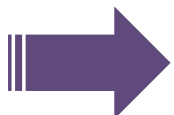
QNAP



Wireless video storage solution

A storage device designed for videophile

Four major features for wireless video storage/playback solution

- 1  High-performance storage management
- 2  Direct access through wireless network
- 3  Support complete video streaming methods
- 4  Cinema28 centralized video streaming management

QNAP NAS Protect Your Multimedia Files

RAID Data Protection



No worries for disk damage with RAID1/RAID5. A copy is always there.

Backup



Backup to cloud storage and/or remote NAS.

Snapshot



Keep away from the threat of ransomware

Powerful hardware for audio/video

Powerful Processor

GPU Transcoding

Files Transfer

SD Card Slot
USB-C QuickAccess



Sound Output

Build-in Speaker
3.5mm line out

HDMI Output

Enjoy 4K Videos



QWA-AC2600 PCIe wireless adapter

Removing the bottleneck of multiple devices and wireless networking at the same time >>>

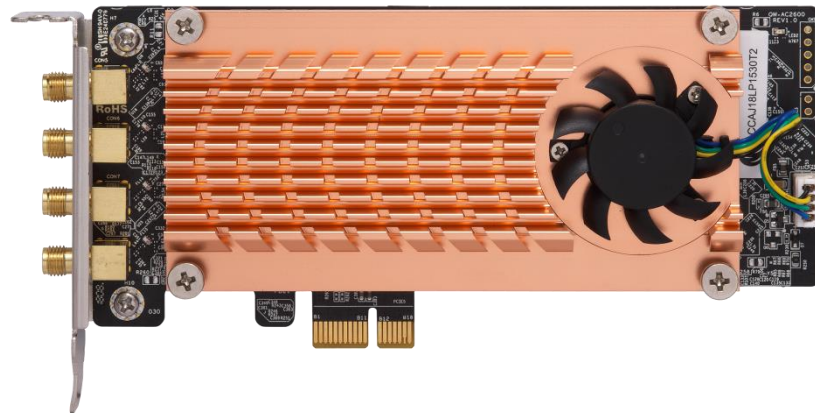
Up to 2600 Mbps total bandwidth

802.11ac (5GHz): up to 1733 Mbps

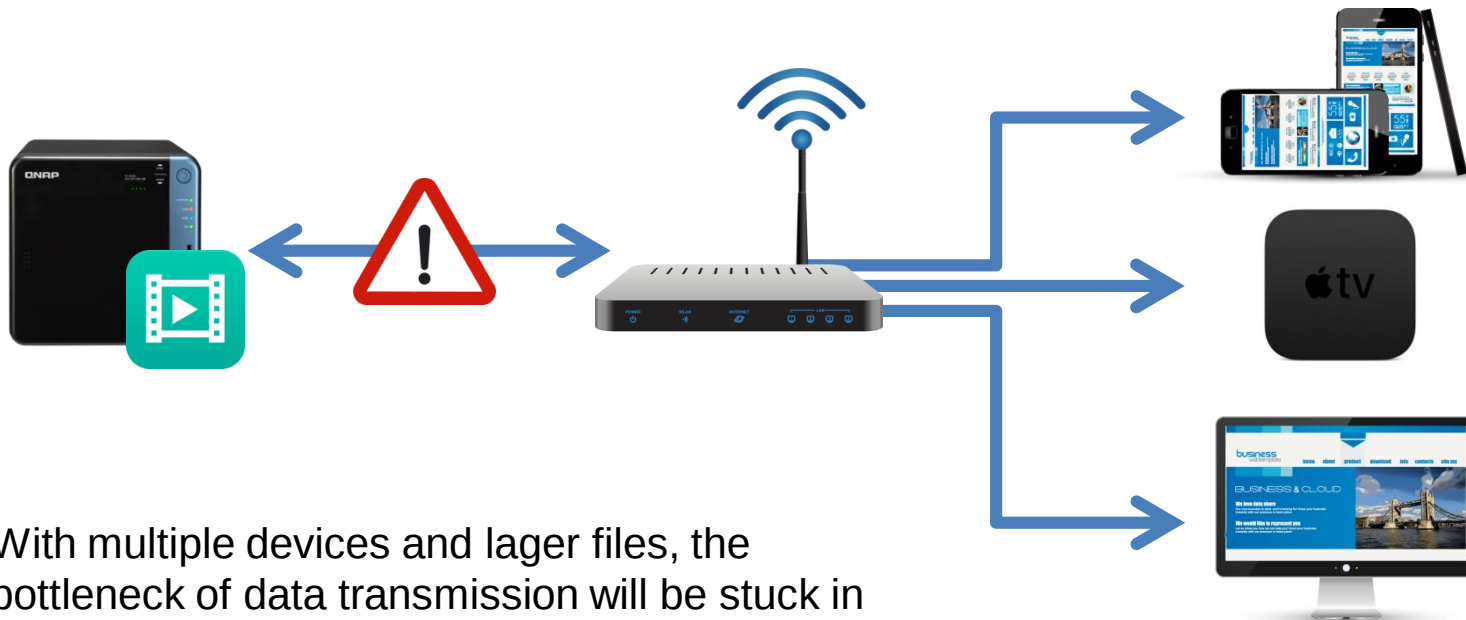
802.11n (2.4GHz): up to 800 Mbps



Dual Qualcomm QCA9984
support Dual Band Dual
Concurrent technology

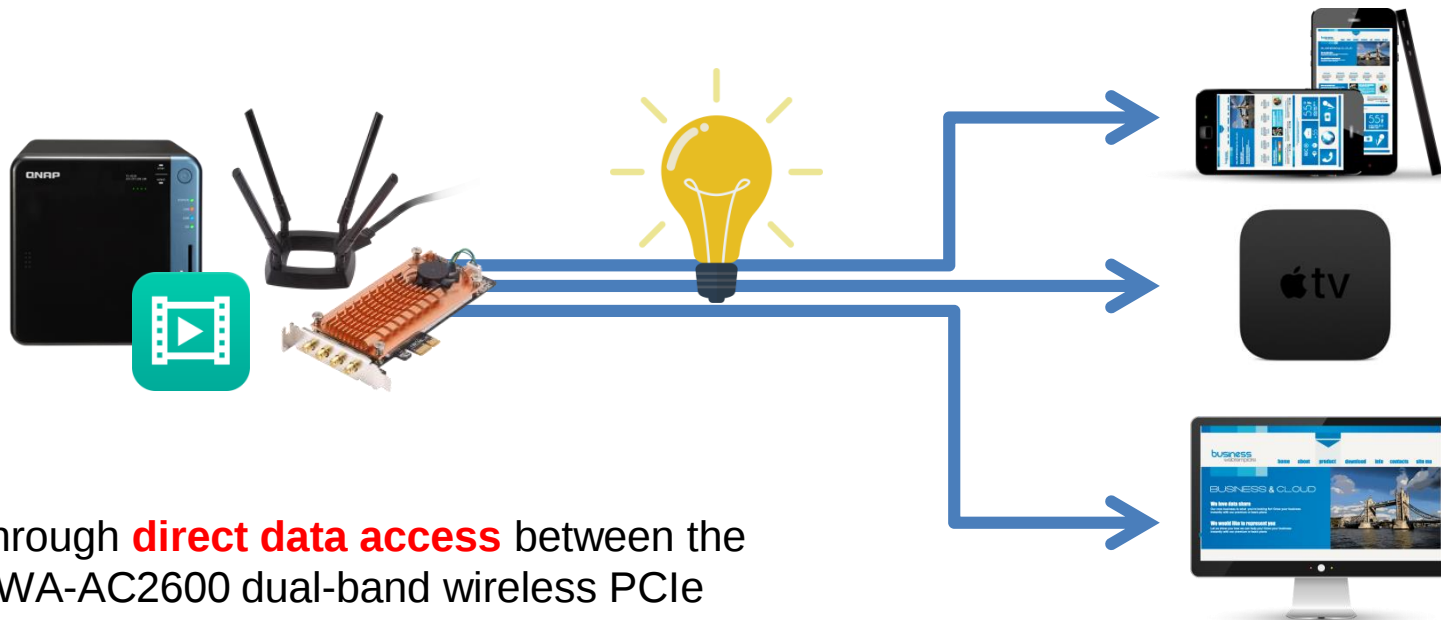


The Bottleneck of Video Wireless Streaming



With multiple devices and larger files, the bottleneck of data transmission will be stuck in the channel between the router and the NAS.

Direct access to data in the access point

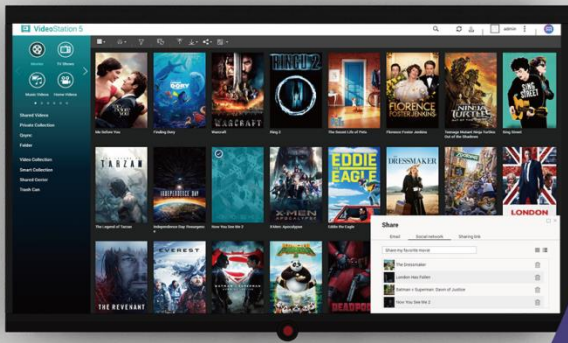


Through **direct data access** between the QWA-AC2600 dual-band wireless PCIe expansion card and the NAS, an optimized network environment can be achieved.

Create a Wireless Video Streaming Environment that can be shared



Establish a **private secure network** for multimedia applications

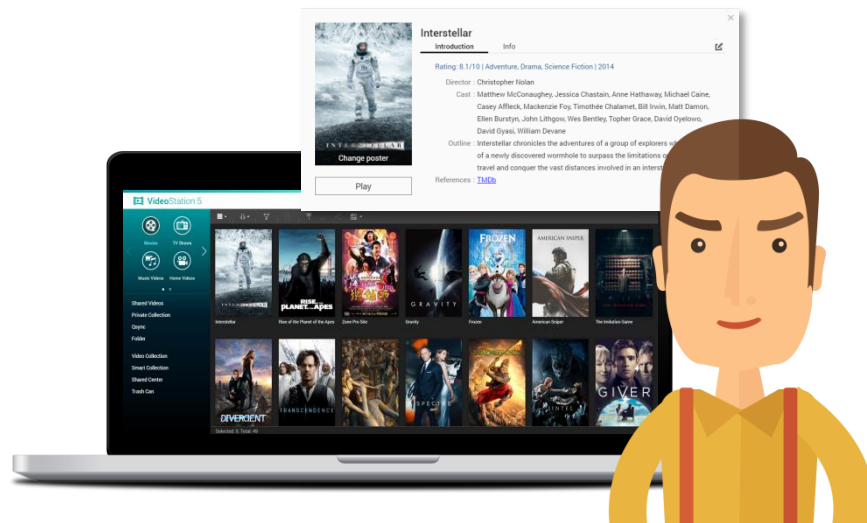


Specialized management functions for audio and video enthusiasts

Optimized audio/video list/display



Before



After

Video Station: Three Major Management Features

Flexible Category Customization

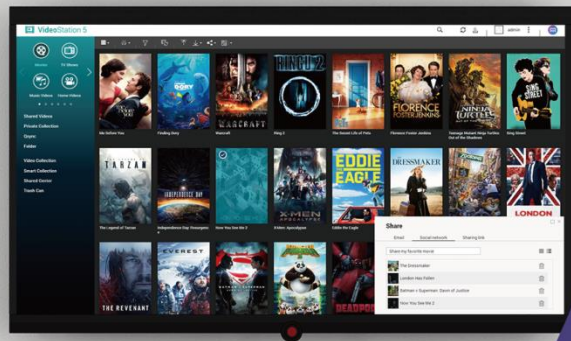
- ✓ Customize your own categories
- ✓ Private Collection
- ✓ Collection and Smart Collection

Optimized Display

- ✓ TV Shows: Display by seasons and episodes.
- ✓ Multiple online database selection
- ✓ Movie and Drama Poster Presentation

Advanced Search & Filter

- ✓ Support multi- criteria search.
- ✓ Support filter by Genre, Year, Director and Cast.



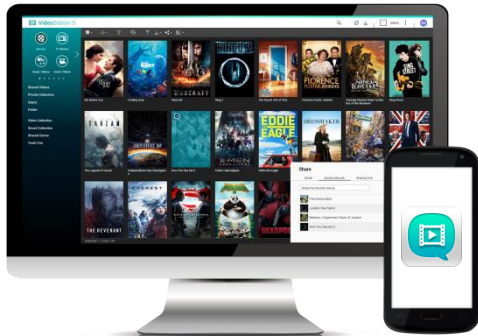
Video Playback Solution

Supports all video playback platforms to meet all your needs

QNAP offers three video playback methods

General video streaming

Use multimedia devices such as web browsers, mobile applications and smart TVs to play multimedia files on NAS.



Multi-room streaming

The user can play the multimedia files on the NAS simultaneously to multiple multimedia devices.



NAS local playback

Output directly to the screen via HDMI, can be used with Linux Station or HD Station.



Diverse Video Streaming Platform to Meet All Your Needs

Streaming(TV)



androidtv



DLNA™

Roku

Streaming(Web Browser)



QTS

Streaming(Phone/tablet)



Local Playback (HDMI)



QNAP

Watch on Your Computer : Windows / Mac

- **Play videos directly through various browsers**



Enjoy Videos on Your Big TV - Qmedia

Big screen big enjoyment >>>

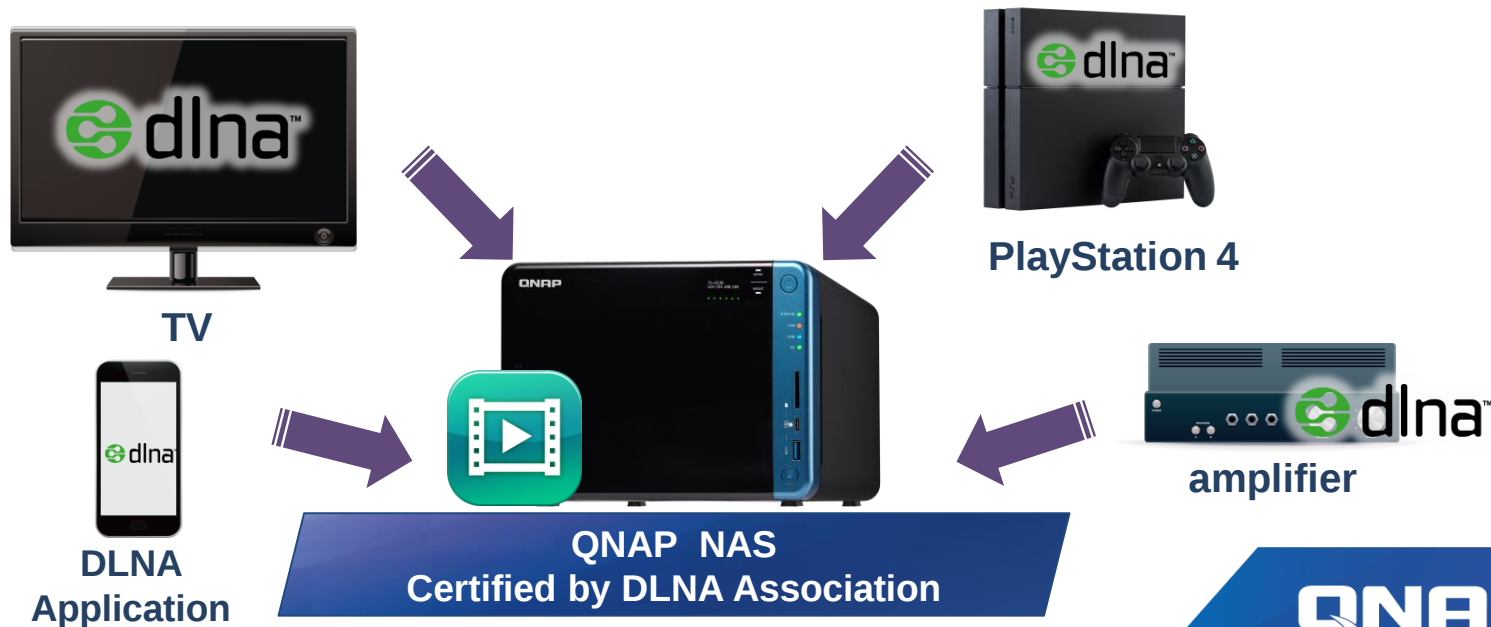


Qmedia Android TV

A Video Station application on the Android TV system, you can stream your NAS media files to the big screen, with intuitive operations, so that all your families can easily enjoy the big screen browsing.

DLNA Connects All Home Multimedia Devices

DLNA(Digital Living Network Alliance) is to formulate a unified transmission specification that allows various brands and types of audio and video device to communicate with each other.



Powerful Add-on for KODI: Video HD

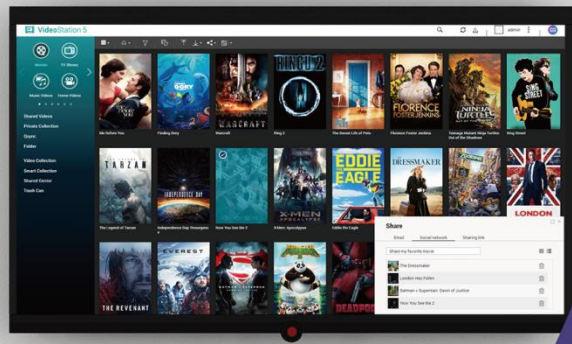
Local Playback >>>



QNAP Video HD

a free KODI add-on with complete support for Video Station features, such as: playback progress, video classification, online subtitle search and other functions, combined with KODI powerful playback and video format decoding capabilities to provide the best user video Watch the experience

QNAP



Cinema28: facilitate A perfect multi-room playback

Make every corner of your home awesome



Setting Up These Devices is Really Painful...

Daddy, I want to see the next episode of cartoon.

Play finished..

Dear, how can I resume playback from last time?

What is Multi-room Video Streaming?

Integrate multiple streaming devices and streaming protocols into a single interface for centralized management, allowing users to easily stream digital multimedia files to audio/video devices in every corner of the home.



Four Major Features of Cinema28

1 ➡

One interface monitors all device states

2 ➡

Supports up to eight types of streaming protocols

3 ➡

Intuitive stream operation and device setup

4 ➡

Complete support for three video multimedia files



Cinema28 Support Devices

Cinema28 aims to enhance your multi-room streaming experience and can stream files to eight different devices.



HDMI
(Audio)



Line Out



USB DAC



Bluetooth



HDMI
(HD Player)



Chromecast

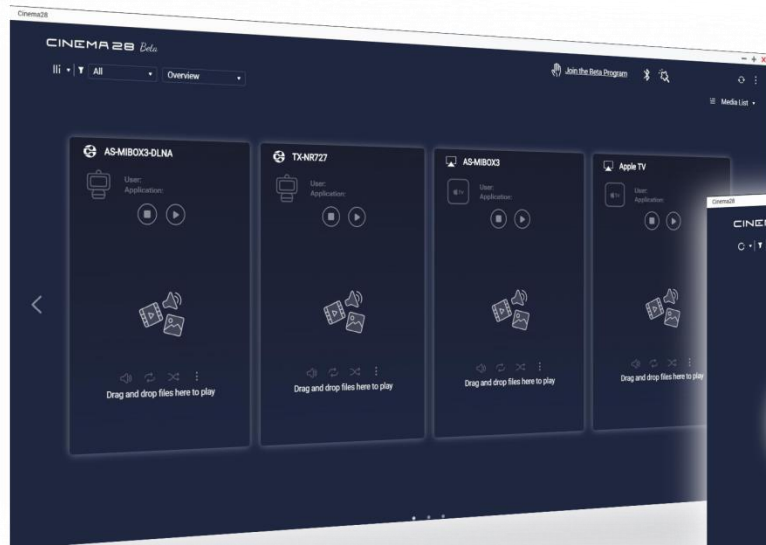


DLNA



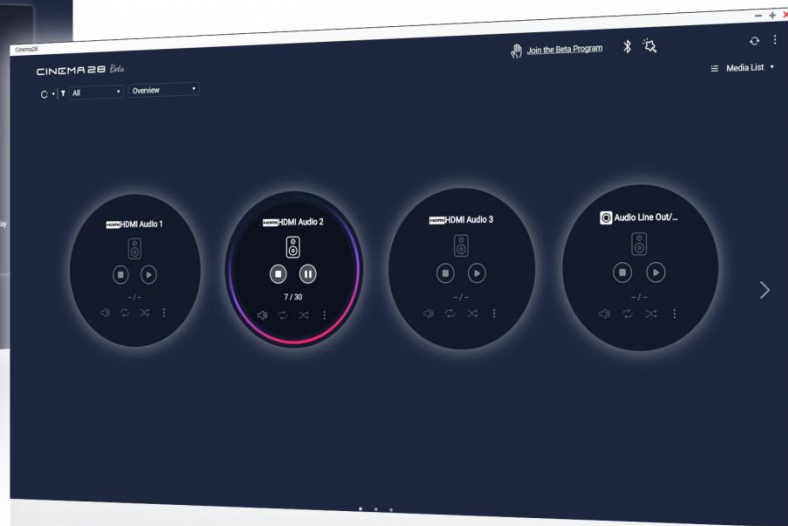
AirPlay

Monitor all multimedia devices in your home



Monitor statuses of all equipment

Supports two modes for different scenario.



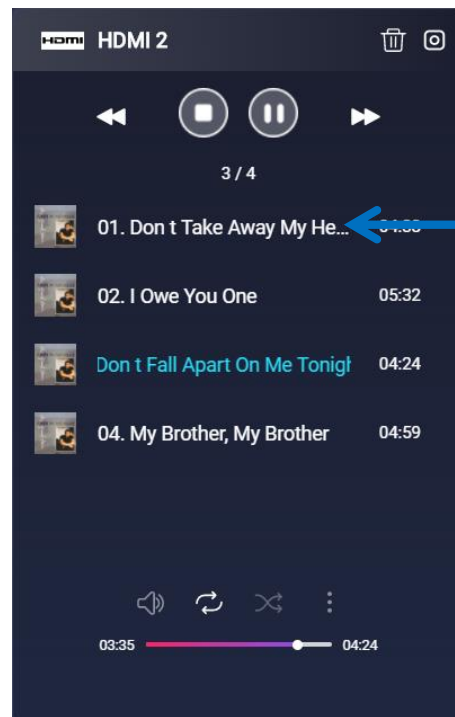
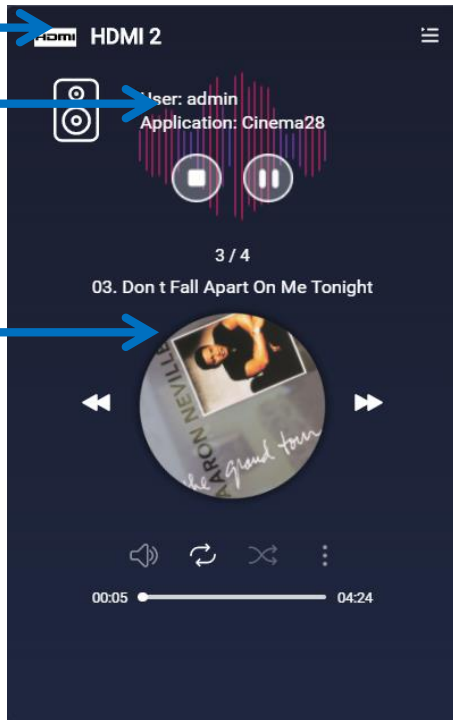
Monitor all multimedia devices in your home

Device Name

User Info

Operation Settings:

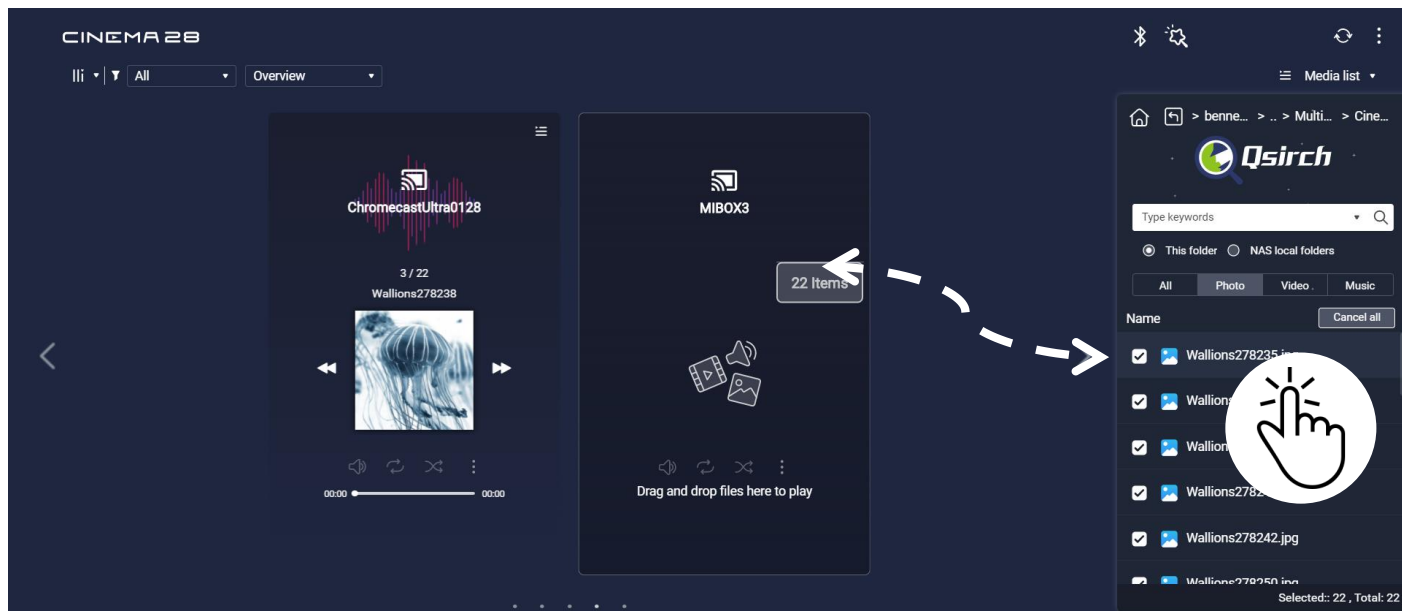
- Volume adjustment
- Loop/Repeat
- Shuffle Playback
- Stream to other devices



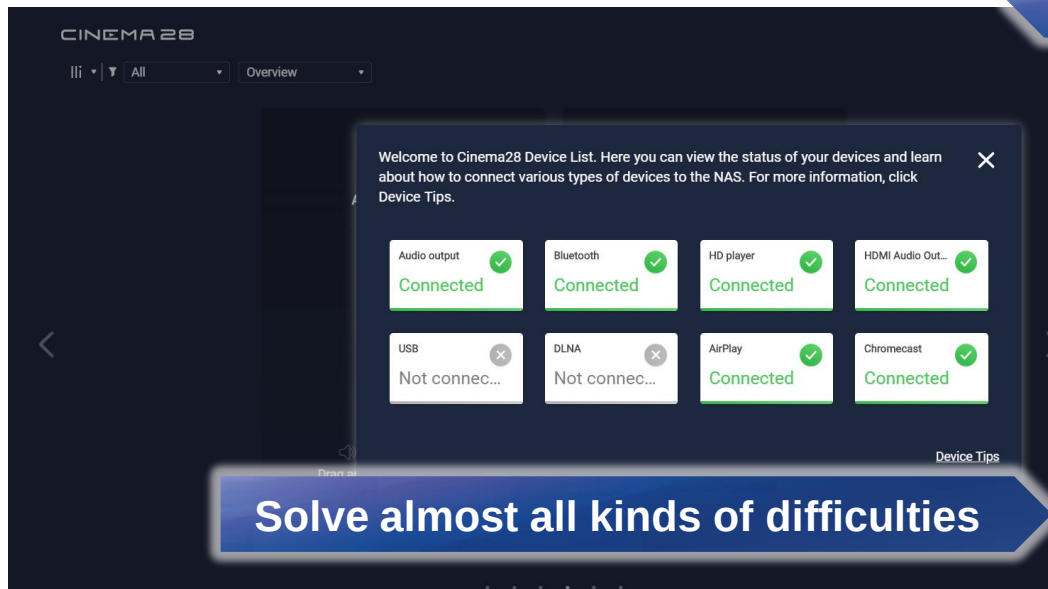
Playlist status,
sorting and
management

Easily drag and drop files in Cinema28

Drag multimedia files directly to the device to play

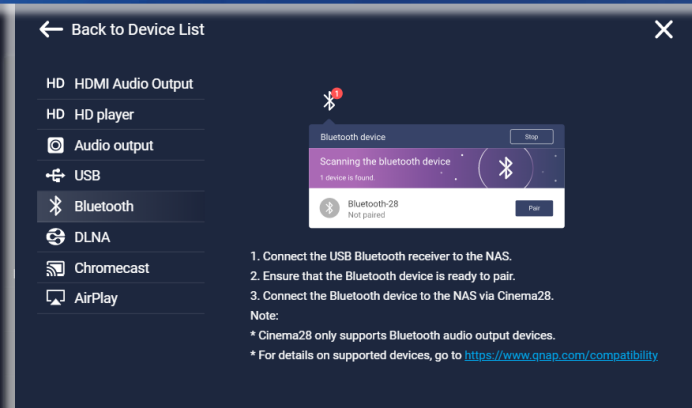


Cinema28 Device Wizard



Solve almost all kinds of difficulties

Detect connection status of the device



Comparison of general and multi-room streaming

	General Video Streaming	Multi-room Streaming
Operation	Each device operates independently	Central Management
Flexibility	High flexibility (not limited to space)	Low Flexibility (devices need to be within the same subnet)
Device Status	Can't know the status of each device	Ability to control the use of each device

Meet all Your Media Playback Scenarios

Outdoor



Enjoy video files stored on the NAS at home through Qvideo mobile app

In the House



Use the Cinema28 to manage the home multimedia devices and stream videos to various rooms



QNAP NAS

Perfect file protection mechanism for videos
+ QWA-AC2600 PCIe Wireless Adapter

**The Golden
Combination for
video streaming**



Video Station

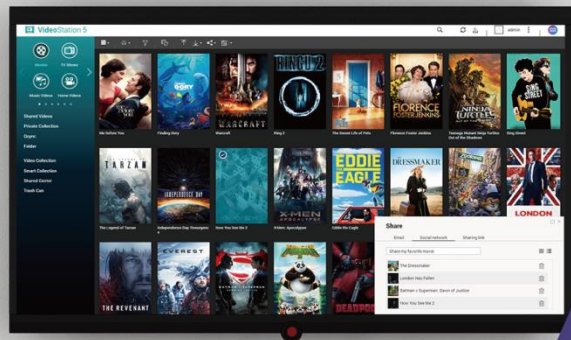
Video library for
flexible management



Cinema28

Multi-room control
center

QNAP



QNAP Video Streaming Solution Your Best Choice!

Copyright © 2018 QNAP Systems, Inc. All rights reserved. QNAP® and other names of QNAP Products are proprietary marks or registered trademarks of QNAP Systems, Inc. Other products and company names mentioned herein are trademarks of their respective holder