

How to set up Raid in NVR-WEB

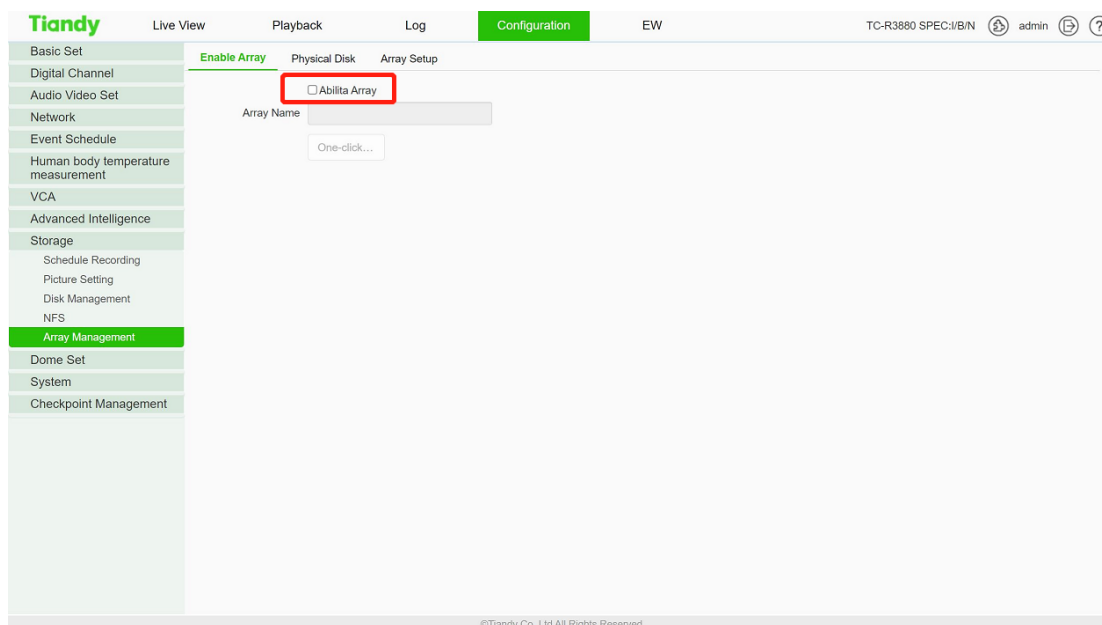
Description: This document will show you how to set up Raid in Web interface of NVR.

Prerequisites: Only models with more than 4 HDDs can set RAID. And must use enterprise hard disk of the same model in the compatible list.

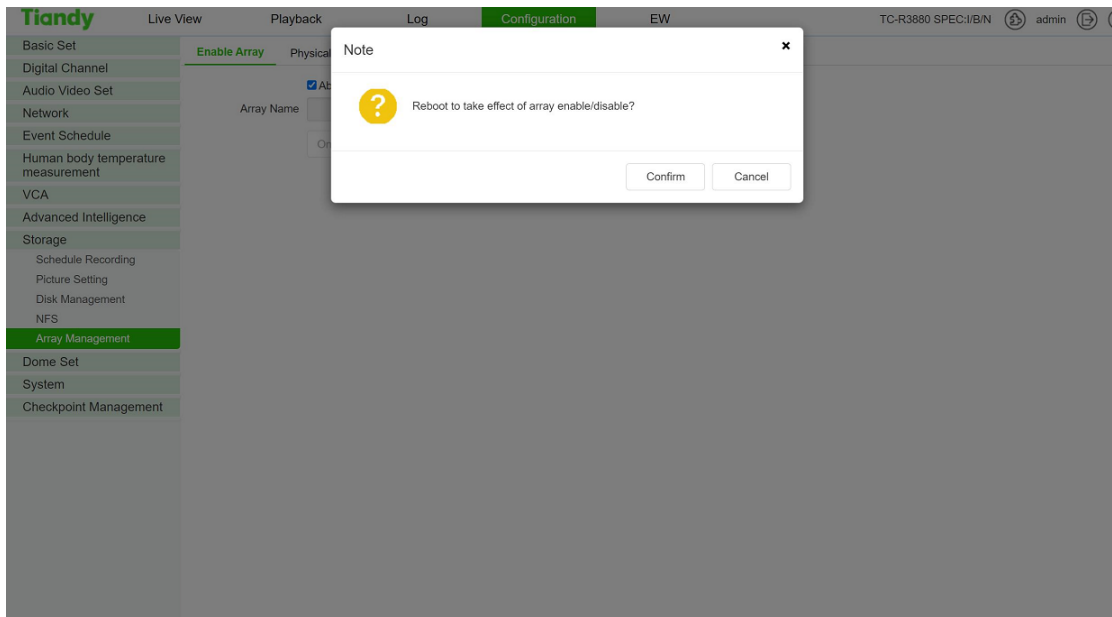
Section 1: Enable array

1. Click abilita array

1.1 Click abilita array



1.2 Restart NVR

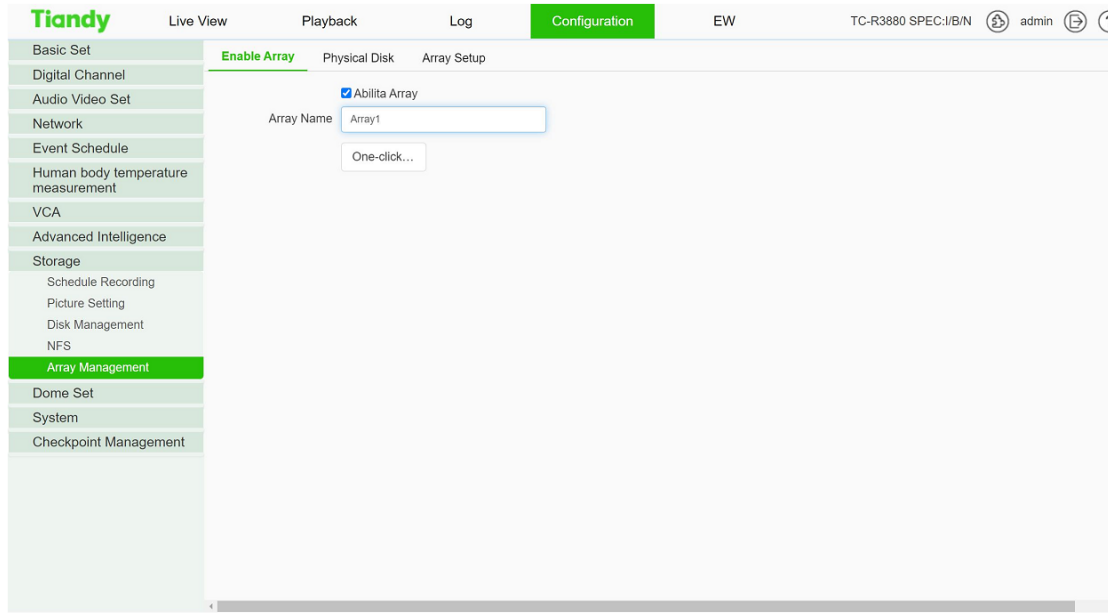


2. setup array

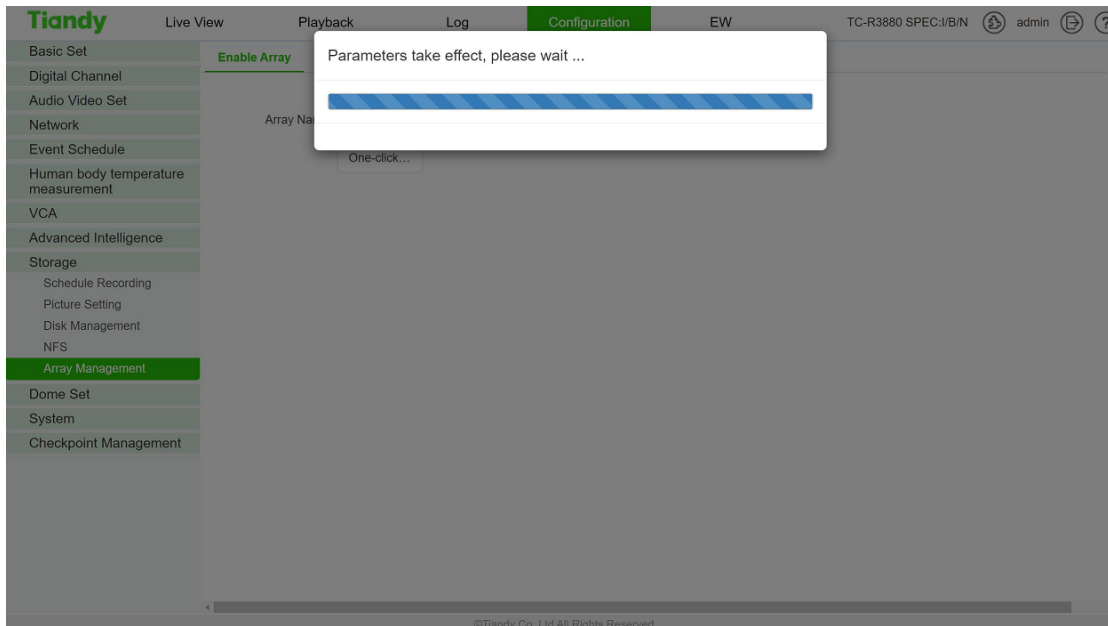
2.1 One-click setup

2.1.1 input array name and one click setup the array

(Note: one click setting uses RAID5 by default)



Wait a few minutes



Successfully created array

The screenshot shows the Tiandy Configuration interface with the "Physical Disk" tab selected. The table below displays the details of the created array.

Disk ...	Capacity	Array	Type	State	Model	Hot Spare
1	1.82TB	Array1_1	Global Spare	Normal	WDC WD22EJRX-89BEMY0	Edit
2	1.82TB	Array1_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
4	1.82TB	Array1_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
5	1.82TB	Array1_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
6	1.82TB	Array1_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
8	1.82TB	Array1_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit

Check the array information and state

Disk ...	Capacity	Array	Type	State	Model	Hot Spare
1	1.82TB	Array1test_2	Global Spare	Normal	WDC WD22EJRX-89BEMY0	Edit
2	1.82TB	Array1test_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
3	1.82TB	Array1test_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
4	1.82TB	Array1test_1	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
6	1.82TB	Array1test_2	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
7	1.82TB	Array1test_2	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
8	1.82TB	Array1test_2	Array Disk	Normal	WDC WD22EJRX-89BEMY0	Edit

2.1.2 edit Hot spare for any Global spare

Disk Setting [X]

Disk Setting: Global Spare

Disk ...	Capacity	Array	Type	State	Model	Hot Spare
1	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
2	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
3	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
4	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
6	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
7	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit
8	1.82TB	N/A	Common Disk	Normal	WDC WD22EJRX-89BEMY0	Edit

2.1.3 check the array setup process(one click setup)

The screenshot shows the 'Array Setup' configuration page in the Tiandy web interface. The left sidebar includes options like Basic Set, Digital Channel, Audio Video Set, Network, Event Schedule, Human body temperature measurement, VCA, Advanced Intelligence, Storage, Schedule Recording, Picture Setting, Disk Management, NFS, Array Management (highlighted), Dome Set, System, and Checkpoint Management. The main content area has tabs for 'Enable Array', 'Physical Disk', and 'Array Setup'. Below the tabs are 'Create Ar...' and 'Recreate ...' buttons. A table lists existing arrays:

Title Name	Total Capacity	Residual Ca...	Working Disk	Hot Spare	State	Type	Task	Operation
1_1	3.63T	3.63T	2,3,4	--	Normal	RAID5	Initializing0%Surplus...	Delete
1_2	3.63T	3.63T	6,7,8	1	Normal	RAID5	Initializing0%Surplus...	Delete

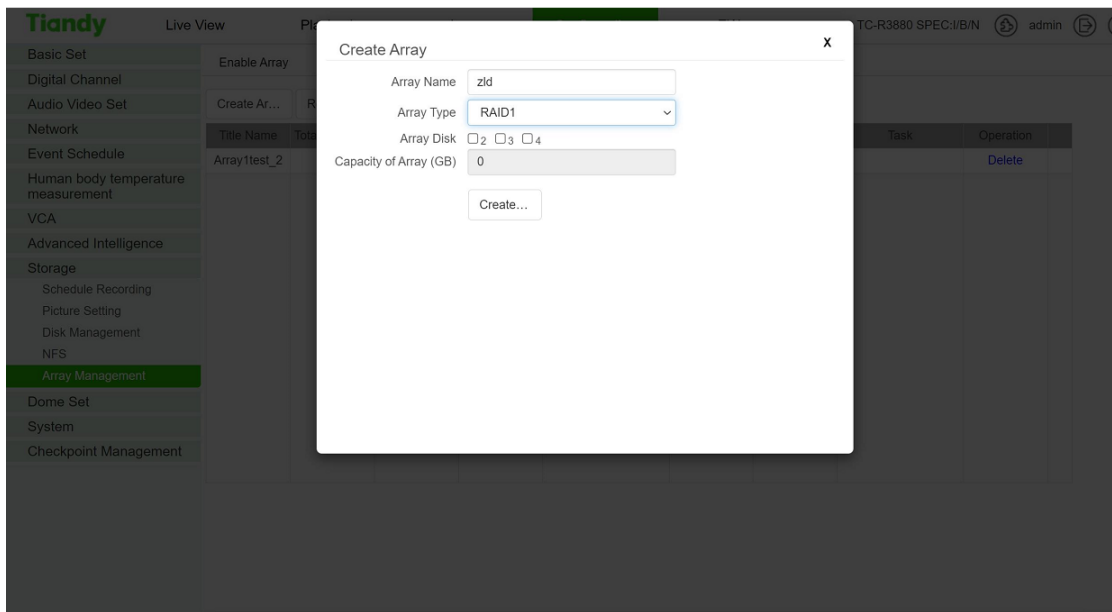
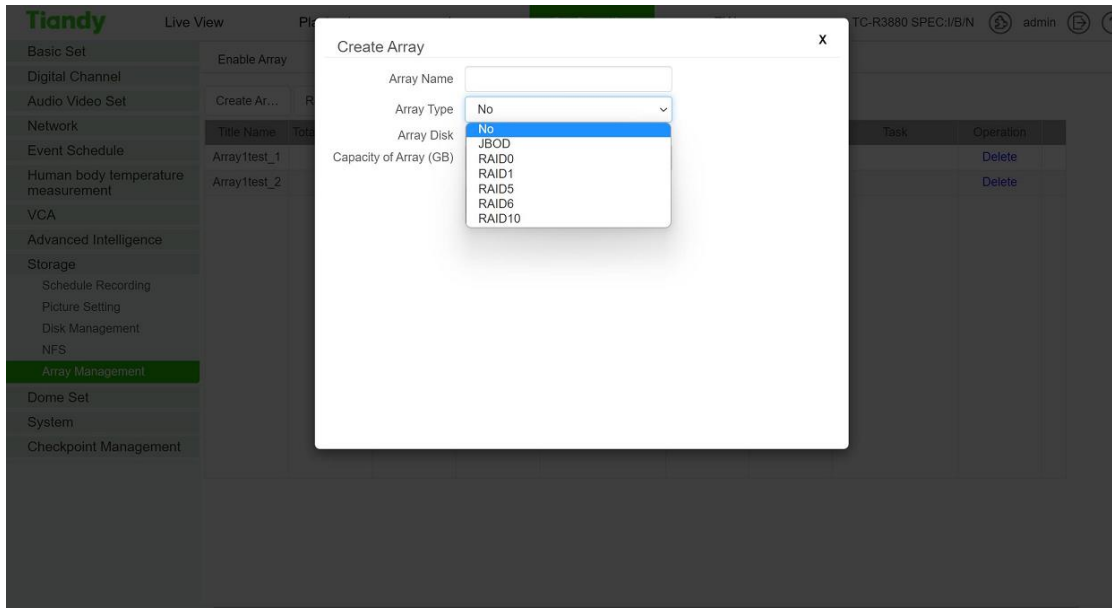
2.2 Custom create array

2.2.1 Creat array

Input array name & Select array type and array disk

The screenshot shows the 'Create Array' dialog box in the Tiandy web interface. The dialog has the following fields and options:

- Array Name:
- Array Type: (dropdown menu)
- Array Disk:
- Capacity of Array (GB):
- Create... button



3. Initialization VD

Tiandy Live View Playback Log **Configuration** EW TC-R3880 SPEC:1/B/N admin

Basic Set **Disk Information** HDD Strategy Abnormality found in Smart check Bad Track Detection Reindex

<input type="checkbox"/>	Device	Total Space	Used Space	Free Space	State	Usage	Operation
<input type="checkbox"/>	VD1	1.77TB	--	--	Unformatted	Record	Edit
<input type="checkbox"/>	VD2	1.77TB	--	--	Unformatted	Record	Edit
<input type="checkbox"/>	VD3	1.77TB	--	--	Unformatted	Record	Edit
<input type="checkbox"/>	VD4	1.77TB	--	--	Unformatted	Record	Edit

0MB/7.08TB(Residual Capacity/Total Capacity)

Hot-swap... Initialize ...

Tiandy Live View Playback Log **Configuration** EW TC-R3880 SPEC:1/B/N admin

Basic Set **Disk Information** Initialize Disk Reindex

Audio Video Set **Device** Formating diskVD3:50%

<input checked="" type="checkbox"/>	Device	Total Space	Used Space	Free Space	State	Usage	Operation
<input checked="" type="checkbox"/>	VD1	1.77TB	--	--	Unformatted	Record	Edit
<input checked="" type="checkbox"/>	VD2	1.77TB	--	--	Unformatted	Record	Edit
<input checked="" type="checkbox"/>	VD3	1.77TB	--	--	Unformatted	Record	Edit
<input checked="" type="checkbox"/>	VD4	1.77TB	--	--	Unformatted	Record	Edit
<input checked="" type="checkbox"/>	ESATA	1.82TB	--	--	Unformatted	Backups	Edit

0MB/7.08TB(Residual Capacity/Total Capacity)

Hot-swap... Initialize ...