

Setting up an UltraSync connection

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This document explains how installers need to connect a TruVision recorder to UltraSync.

Configuration steps

Pre-requisites

- A recorder with the UltraSync feature
- A network cable with RJ-45 connector that contains an Internet connection

The recorder will first need to be added to the LAN network.

TCP/IP settings

Note: As every network configuration may differ, please contact your Network Administrator or ISP to see if your recorder requires specific IP addresses or port numbers.

To configure general network settings (web and OSD modes):

1. In web mode:

Click Configuration > Network > Basic Settings > TCP/IP.

— or —

In OSD mode:

Click Network > General > TCP/IP.

2. Enter the required settings: (web mode shown)

[©] truVision	Live View	Playback	Snapshot	Configuration
Local System	ССРЛР DDNS	PPPoE Port	NAT	
Network	1 NIC Туре	100M Full	-dup	~
		2 🗖 DHCP		
Advanced Settings	3 IPv4 Address	10.12.12.1	12	S
UltraSync	4 IPv4 Subnet Ma	sk 255.0.0.0		S
Video/Audio	5 IPv4 Default Gat	leway 10.0.0.1		0
Image	6 IPv6 Address	fe80::9ef6	:1aff:fe90:e630	
Event	7 Subnet Prefix Le	ength fillefillefillefi	fff::	
Record	8 IPv6 Default Gat	leway		
VCA	9 MAC Address	9c:f6:1a:9	0:e6:30	
	10 мти	1480		0
	DNS Server			
		🚹 🔳 Auto Ot	otain DNS	
	12 Preferred DNS S	Server 8.8.8.8		S
	13 Alternate DNS S	erver		✓
	14 Inter NIC IPv4 A	ddress 192.168.2	54.1	S
	🗎 S	ave		

Opti	ion	Description
1.	NIC Type	Network interface card (NIC) is a device used to connect the recorder to a network. Select the NIC type used from the drop-down list.
2.	DHCP	DHCP (Dynamic Host Configuration Protocol) is a protocol for assigning an IP address dynamically to a device each time it connects to a network. Select this check box if you have a DHCP server running and want your recorder to automatically obtain an IP address and other network settings from that server. The DHCP server is typically available in your router. Default value is Disable. In OSD mode, it is called "DHCP (IPv4)".
3.	IPv4 Address	Enter the IPv4 address of the recorder. The default IP address is 192.168.1.82. In OSD mode, it is called" IP Address".
4.	IPv4 Subnet Mask	Enter the subnet mask for your network so the recorder will be recognized within the network. Default value is 255.255.255.0. In OSD mode, it is called "Subnet Mask".
5.	IPv4 Default Gateway	Enter the IP address of your network gateway so the recorder will be recognized within the network. This is typically the IP address of your router. Consult your router user manual or contact your ISP to get the required information on your gateway. In OSD mode, it is called "Default Gateway".

Opti	ion	Description
6.	IPv6 Address	Enter the IPv6 address of the recorder. This setting is not available in OSD mode.
7.	Subnet Prefix Length	This displays the number of bits in the subnet address. This setting is not available in OSD mode.
8.	IPv6 Default Gateway	Enter the IPv6 address of your network gateway so the recorder will be recognized within the network. This is typically the IP address of your router.
9.	MAC Address	Displays the MAC address. The MAC address is a unique identifier of your recorder, and it cannot be changed.
10.	MTU	Enter a value between 500 and 9676. Default is 1480.
11.	Auto DNS	This function is automatically enabled when DHCP is enabled. When enabled, the preferred and alternate DNS servers are automatically obtained. In OSD mode, it is called "Auto Obtain DNS". Note : Please make sure you use a public DNS server. If you have doubts, please use 8.8.8.8 (= primary DNS server for Google DNS)
12.	Preferred DNS Server	Enter the preferred domain name server to use with the recorder. It must match the DNS server information of your router. Check your router's browser interface or contact your ISP for the information. Note : Please make sure you use a public DNS server. If you have doubts, please use 8.8.8.8 (= primary DNS server for Google DNS).
13.	Alternate DNS Server	Enter the alternate domain name server to use with the recorder.
14.	Internal IPv4 Address	Enter the internal NIC IPv4 address. This is the IP address of the recorder's internal network managing only the PoE port cameras. This is not the LAN IP address. Default value is 192.168.254.1.

3. Click **Save** to save the settings.

Connect the recorder to UltraSync

The recorder lets you stream video to applications that support UltraSync.

An UltraSync connection enables a remote connection to the recorder without using port forwarding in a router.

To connect the recorder to UltraSync in web mode:

Note: This setup must be done by an installer. It cannot be done by an end-user.

1. Click Configuration > Network > UltraSync.

Local	UltraSync
System	C Enable
Network	Connection Status online
Basic Settings	
Advanced Settings	
UltraSync	· · · · · · · · · · · · · · · · · · ·
Video/Audio	
Image	이 가슴을 가슴을 가슴을 가슴을 다. 이 가슴을 가슴을 가슴을 다. 이 가슴을 다.
Event	
Record	
VCA	The installer will need to pair this recorder on UltraSync via this QR code. The recorder cannot stream video over UltraSync without this
	pairing. This QR code is for the installer only.
	Enabling the UltraSync feature will create an user account named 'UltraSync' for remote management purposes. Disabling the UltraSync feature will remove the 'UltraSync' account and diable all remote management features.

2. Select Enable to enable this function for the recorder. Click Apply.

After clicking Apply, it will take a couple of minutes before the recorder will be connected to UltraSync. A QR code will be shown when the recorder is connected.

3. The installer needs to scan the QR code with his mobile phone.

The Recorder Registration Process screen then appears:

F	Recorder Registration Process	
D	Usemame	
2	Password	
3		
4	Site Name]
5	TVB Monitoring	
6	Register	
5	lign up if you are not a registered installer.	

- 1. Enter a valid UltraSync portal username.
- 2. Enter the password for the username.
- 3. This field automatically displays the SID number of the recorder.
- 4. Enter a unique site name for the recorder.
- 5. This field shows the service level for this recorder
- 6. Press **Register** to pair the recorder to the UltraSync account.

Note: If you do not have an UltraSync account, please contact your Aritech account manager or distributor.

A new user account need to be added (other than admin) to give users access to the recorder on TVR mobile app as admin user can't be used to login into mobile app.

In the TVR mobile app, configuration page, change UltraServer settings to PR (Public Release).

The end-user can only view video from the UltraSync connected recorder in the mobile application when the recorder is paired to an installer account.

See the *Operator Guide* for information on adding the recorder to the mobile application, TVRMobile.

To connect the recorder to UltraSync in OSD mode:

Note: This setup must be done by an installer. It cannot be done by an end-user.

- 1. Click Configuration > Network > UltraSync.
- 2. Enable for Register to UltraSync.
- 3. The Connection Status will show when the recorder is connected to UltraSync.
- 4. As soon as the recorder is connected to UltraSync, a QR code will be shown on the same screen.
- 5. The installer needs to scan this QR code with his mobile phone.



The Recorder Registration Process screen then appears:

	• webportal.ultraconnect.com	۵
	Recorder Registration Process	
2	Password	
3		
4	Site Name	
6	TVB Monitoring	
6	Register	
8	Sign up if you are not a registered installer.	

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The end-user can only view video from the UltraSync connected recorder in the mobile application when the recorder is paired to an installer account.

See the *Operator Guide* for information on adding the recorder to the mobile application, TVRMobile.

This concludes the UltraSync setup in the recorder. The end-user can now add the recorder to a mobile app by using the steps described in the Operator Guide.