Quick Start Guide

LD16
16-channel Encoder

Rev. 230721

Thank you for purchasing i3 International's LD16 16-channel encoder. Your encoder is compatible with HD-TVI, HD-AHD, HD-CVI and CVBS analog inputs.
To pair with SRX-Pro software, purchase enough analog licenses, which can be purchased individually or in bundles of 4.

SAFETY

When installing your LD16 encoder be sure to avoid:

- excessive heat, such as direct sunlight or heating appliances
- contaminants such as dust and smoke
- strong magnetic fields
- moisture and humidity
- areas with mechanical vibrations
- temperatures below -10°C (14°F) and above 50°C (122°F).

POWER SUPPLY

Power requirement: 110-120VAC, up to 20W.
Power adapter (12VDC/5A) included.
Ensure the supplied voltage meets the power consumption requirements of this encoder before powering the encoder on. Incorrect voltage may cause irreparable damage to the device and will effectively void the encoder warranty.

SERVICING

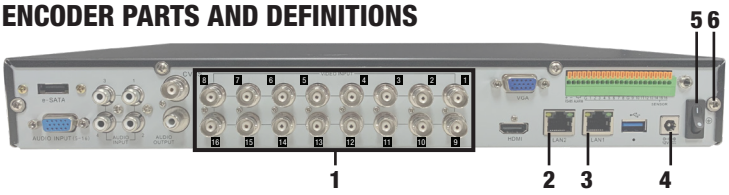
To avoid electrical shock and to preserve the product warranty, DO NOT disassemble the encoder. Refer servicing to qualified personnel only.

PACKAGE CONTENTS

Ensure that the items received match those listed on the order form and the packing slip. In addition to this manual and a fully assembled encoder, the encoder packing box includes:

1. 12V DC Power Supply adapter
2. Power Cable
3. Rackmount brackets (2 pcs) with screws (4 pcs).
   Attach to the encoder if installing into a server rack.

ENCODER PARTS AND DEFINITIONS



Note: Unmarked components are not in use.

No.	Active Component	Description
1	VIDEO IN	16 x BNC connectors for HD analog or CVBS inputs
2	LAN2	CAT5 LAN connection. Connect to the switch or to the NIC card on the Media Control Centre.
3	LAN1	Not in use. CAT5 WAN connection.
4	12V Power Input	12V DC Power Supply connector (included)
5	Power Switch	Power switch for turning encoder ON/OFF
6	GND	Ground

Scan this QR code or visit **ftp.i3international.com** to view and download **Annexxus Configuration Tool v2.1.2.19**.

Contact our Technical Support team at: **1.877.877.7241** or **support@i3international.com** if you have any questions or concerns regarding camera installation or if you require software services or support.

QR Code for Documentation & ACT

INSTALLATION

LD16 encoder is built in a 1U chassis for convenient rackmount installation.
Follow safety precautions when selecting installation location for your LD16 encoder.

1. Using supplied screws to secure the provided rack brackets to the LD16 unit, then install your LD16 encoder into the server rack.
2. Make sure the Power Switch is in the OFF position.
3. Connect your HD-analog or CVBS analog inputs to the 16 BNC connectors on the encoder.
4. Plug in the network cable into the LAN connector on the rear panel of the encoder and then plug it into the Gigabit switch.
5. Connect the provided 12V power supply to the 12V DC Power Supply connector and then plug in the supplied Power Cable into the provided power supply.
6. Plug the power cable into the power source. Use of the UPS (Uninterrupted Power Supply) is highly recommended by i3 for added reliability and longevity of your encoder.
7. Return the Power Switch into the ON position. The encoder will power on and the front panel LEDs turn on.

CONNECTING LD16 ENCODER TO i3 SRX-PRO SERVER

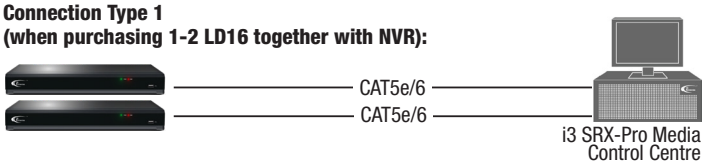
SRX-Pro Server is capable of supporting up to 4 (four) LD16 encoders.
Each encoder supports up to 16 HD-analog or CVBS analog inputs, however, the number of inputs that can be added to the SRX-Pro Server is determined by the number of purchased licenses. When purchasing LD16 encoder, make sure to purchase enough "Analog Channel" licenses to support all your HD-analog or CVBS cameras.

When purchasing LD16 encoders together with an i3 Server, the NVR will be equipped with a single or dual PCI NIC card, respectively. Connect the encoders to the single or dual PCI NIC card labeled "LD16" (not the on-board NIC) on your NVR.

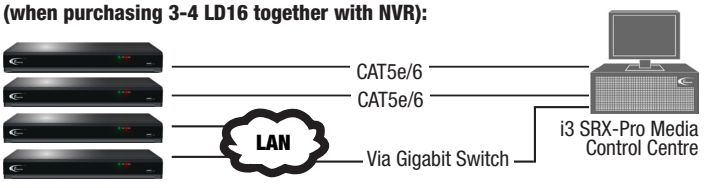
When purchasing more than 2 LD16 encoders together with a single i3 Server, connect 2 encoders to the PCI NIC card labeled "LD16" and the remainder of the encoders - to an i3-recommended Gigabit switch.

If purchasing separately from i3 NVR, connect all encoders to the switch.

Connection Type 1
(when purchasing 1-2 LD16 together with NVR):



Connection Type 2
(when purchasing 3-4 LD16 together with NVR):



Connection Type 3
(when purchasing LD16 separately from NVR):

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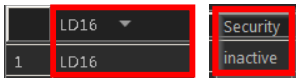
ACTIVATING ENCODER, CHANGING IP ADDRESS in ACT

Encoder default IP address: **192.168.0.16.**
Encoder default Subnet mask address: **255.255.255.0.**
Credentials: Login - **i3admin**

Activate your LD16 encoder by setting administrative password

To activate and access your encoder, you must set the administrative password for the i3admin account.

1. Connect your LD16 encoder to the NVR's PCI NIC card labeled "LD16" or to the Gigabit switch.
2. On your i3 NVR, launch i3 Annexxus Configuration Tool (ACT) v2.1.2.19 or higher. Download and install the latest ACT installation package from i3 website: https://i3international.com/download

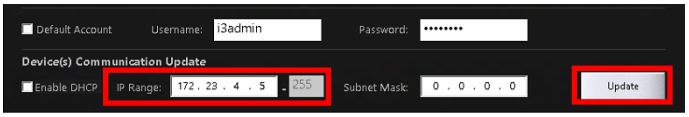


3. In the model drop-down list, select **LD16**. Security status will say "inactive".
4. Select all inactive encoder(s) in the list and click **Set Password**.
5. In the Set password window, enter the new password in the **Password** and **Confirm** fields. Follow secure password guidelines. Click **OK**.
6. The new administrative password will be assigned to the camera and the Security status will change to "active".

Change your encoder's default IP Address:

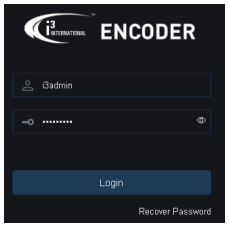
Each LD16 encoder must have a unique IP address.
The i3 NVR must have a valid IP address (not APIPA).

7. In Annexxus Configuration Tool, select your LD16 encoder in the list.
8. Uncheck "Default Account" and enter "**i3admin**" into Username field and the new administrative password (set in Step 5) into Password field.
9. Enter the new IP address and Subnet Mask under Device(s) Communication Update and click **Update**.

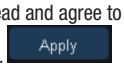


10. Wait a few moments for a "Success" message in the Result field.

11. Repeat Steps 7-9 for all detected encoders in the encoder has a *unique* IP address.
12. To confirm your encoder's new IP address, click the browser icon  next to each encoder. In the browser, enter administrative Username (i3admin) and (new) Password and click **LOGIN**.



13. Check "I have read and agree to this agreement" and click **Apply**.

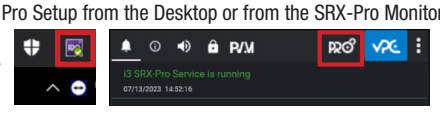


14. The encoder's interface will be displayed in the Internet Explorer window. You should be able to see the cameras images on the screen. If you do not see the camera images, call i3 International technical support team for troubleshooting tips: 1.877.877.7241.

ADDING ENCODER TO i3 PRO SETUP v7

1. Launch the i3 Pro Setup from the Desktop or from the SRX-Pro Monitor.

Or

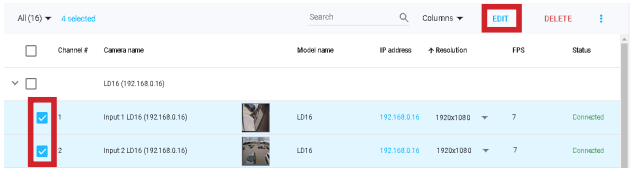


2. In the browser, click **Continue to this website**.

3. Enter your administrator **Username** and **Password** and click **LOGIN.**
4. Click on the **Add** tile.

5. If using SRX-Pro v.7.1, find your encoder in the list of UNASSIGNED CAMERAS. You may need to click **REFRESH**.
   If using SRX-Pro v.7.2 and above, click **SEARCH** and wait until your encoder is discovered.

6. Select one or more encoders with the same login credentials and click **LOGIN**.
7. Enter camera's **Username** and the **Password** (configured in the previous section) and click **SAVE**.
   Login status for your encoder must now show the green check mark.
   Note: Devices with "Login failed" status will not be added.
8. Click **ADD**. Your encoder have been added to i3 SRX-Pro Setup and all its cameras are recording based on Sensor + Motion schedule.



9. Change resolution and frame rate for each camera and channel in the **List** section of the i3 Pro Setup.

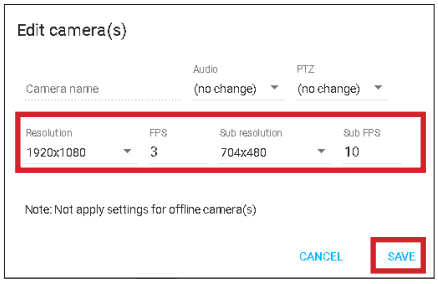
CHANGING RESOLUTION AND FRAME RATE

Change resolution and frame rate for each camera and/or remove unused encoder inputs in the **List** section of the i3 Pro Setup.

Adjusting Main/Sub stream resolution and frame rate settings.

1. In i3 Pro Setup, click on the **List** tile.
2. Select one or more LD16 inputs and click **EDIT**.

3. In the Edit camera(s) window, adjust Resolution and FPS settings for the Main and Sub stream, and click **SAVE**.



Removing unused LD16 inputs.

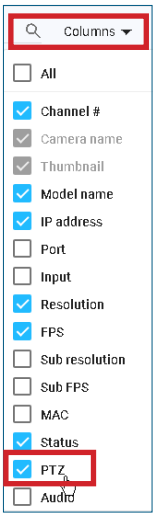
1. Select the unused LD16 inputs in the Camera list and click **DELETE**.
2. Click **OK** in the confirmation window.

CONFIGURING PTZ INPUTS

The zoom function of the i3's HD-analog cameras can be controlled through Video Pilot Client application.

Follow instructions below to enable PTZ controls in VPC.

1. In i3 Pro Setup > List section, click on Columns drop-down menu and select **PTZ**.
2. Enable PTZ toggle for each compatible HD-analog camera input connected to the encoder.
3. In VPC, click on the PTZ icon in the on-screen menu to display + - in-cameo controls.



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