



VIGIL NVR-2U-96CH

96-CHANNEL NETWORK VIDEO RECORDER

QUICK START GUIDE - V1.0.1

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CAN ICES-003 (A) / NMB-003(A)

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions

- i. This device may not cause harmful interference.
- ii. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

2. This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada
3. This device is UL and ULC E467564 (Safety) certified.
4. This device complies with CE - EMC Directive 2014/53/EU – Class A, ROHS Directive 2011/65/EU with Addendum 2015/863/EU, WEEE Regulation 2012/19/EU. Declaration of Conformity is available upon request.
5. WEEE - Do not discard this product along with other household waste, it must be collected and treated separately.



Caution: User-Replaceable Battery - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type



ATTENTION: Remplacement des piles par l'utilisateur: Danger d'explosion si la batterie est remplacée de façon incorrecte. Remplacer uniquement avec le même type ou équivalent

1 PRE-INSTALL AND SAFETY GUIDELINES

1.1 INTRODUCTION



Note: Read all instructions before beginning any installation.

The information in this manual outlines the recommended “Best Practices” for the installation of a server.

Although this document is a guideline, failure to follow these recommendations, especially for environmental conditions, can cause unnecessary and costly problems. It is in the customer’s best interest to adhere to all points in this guide during the initial stages of system design and installation.

If the installation area does not properly support these requirements, failure of the unit is likely to occur due to excessive heat, poor power conditions and poor cabling.



Warning: Please note the following points prior to reading this document.

1. This is sensitive computer equipment. DO NOT stack, drop, or otherwise mishandle. Failure to properly handle this unit will result in unit damage.
2. Only use the appropriate power earth-ground cord provided with the server to the properly earth-grounded, 3-prong receptacles.
3. This system should only be installed by a qualified technician using approved materials in accordance with national, state, and local wiring codes.
4. This system should only be setup by a qualified technician with a basic understanding of the Windows operating system and intermediate networking skills.
5. This system requires proper shutdown to ensure system integrity. Failure to properly shutdown the system can result in data loss and lengthy file rebuilding upon next boot.
6. To remove power from system, you must unplug the power cord from the equipment. Make sure the AC power cord is unplugged before you open the chassis, add, or remove any components.
7. Removal of the top cover or any other attempted unit dis-assembly, should only be attempted by a qualified technician with the express permission of Technical Support.
8. This system relies on the building’s electrical service for short-circuit (over-current) protection. Ensure that a suitable fuse or circuit breaker is present in the service.
9. It is not recommended to operate this system in a dusty environment. Failure to periodically inspect and clean the unit may result in shutdown of the unit and eventual permanent failure requiring factory repair.
10. This equipment is not suitable for use in locations where children are likely to be present.



Warning: Failure to periodically inspect and clean the device may result in shutdown of the unit and eventual factory repair



Caution - User-Replaceable Battery: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.



Attention - Remplacement des piles par l'utilisateur: Danger d'explosion si la batterie est remplacée de façon incorrecte. Remplacer uniquement avec le même type ou équivalent

1.2 POWER SOURCE

A stable power source is essential for reliable and uninterrupted operation of the Point of Service Personal Computer (PC). The power supply is designed to support 100-240VAC @ 50-60Hz. Use an electrical outlet that is dedicated to the PS and has the correct rating.

1.3 PROPER STARTUP / SHUTDOWN

The computer must be started and shutdown properly. To start and shutdown the server, a proper procedure must be followed, just like in any other PC-based system.

STARTUP

To startup the server

1. Ensure the power cable is fully installed in the power supply
2. Press the toggle switch on the front of the chassis with the symbol on it.

Switch provided at front of equipment is not 'stand-by':

SHUTDOWN

To shut down the server

1. Close all running applications and save all work
2. Navigate to Start -> Shut Down and follow the on-screen message prompts



Warning: Failure to properly shutdown the desktop can result in data loss.

3. Fully disconnect all power cables before servicing system.

1.4 ENVIRONMENTAL REQUIREMENTS

The environmental conditions for a server are essential for reliable and uninterrupted operation. The servers are PC-based systems equipped with the proprietary hardware that make it a powerful system. Just like a consumer PC, it must be operated under proper environmental conditions.

MOUNTING

1. Appropriate mounting / slide rails should be used to mount the server into a standard-width rack.



Warning: Rack mounted devices are not to be used as shelves or workspaces. Do not place objects on top of rack-mounted devices.

Stability Hazard:

- The rack may tip over causing serious personal injury
 - Before extending the rack installation position, read the installation instructions
 - Do not put any load on the slide rail mounted equipment mounted in the installation position
 - Do not leave the slide-rail mounted equipment in the installation position
 - Equipment is not intended to be serviced while extended on slide-rails.
2. In addition, the lack of free air flow around the units can cause overheating.

TEMPERATURE, HUMIDITY, AND ELEVATION

1. A well-maintained temperature and humidity is essential for proper operation. An environmentally controlled area is recommended.
2. Recommended operating temperature of the device is 4.5-35°C.
3. The ideal room humidity should not exceed 90% non-condensing relative.
4. The equipment is rated for a maximum altitude of 2000m above sea level.

DUSTY ENVIRONMENTS

The computer should not be installed or operated in a dusty or otherwise unclean environment.



Warning: Failure to periodically inspect and clean the device may result in shutdown of the unit and eventual factory repair

1.5 ZB SPECIAL NATIONAL CONDITIONS

This equipment is specified as “Class I pluggable equipment type A”.

In Denmark: “Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord.”

In Finland: “Laitte on liitettävä suojakoskettimilla varustettuun pistorasiaan”

In Norway: “Apparatet må tilkoples jordet stikkontakt”

In Sweden: “Apparaten skall anslutas till jordat uttag”

2 PRODUCT OVERVIEW

2.1 PACKAGE CONTENTS



NVR

MOUSE



POWER CABLE

KEYBOARD

2.2 OPERATING INFORMATION

SPEC	VALUE
Voltage	115VAC/60Hz; 230VAC/50Hz
Operating Environment	Indoor Equipment Only
Operating Temperature	40° to 95° Fahrenheit / 4.5° to 35° Celsius
Humidity	20-90% RH

2.3 BEFORE YOU BEGIN



Note: This product is to be used by an instructed person in a professional environment

1. Connect all cameras to an appropriate network switch with Cat5, Cat5e, or Cat6 networking cable then interface the switch with the Camera LAN on your recorder.
2. Connect the Corporate LAN Port to your Site LAN.
3. Connect a monitor to either HDMI, DisplayPort and / or VGA.
4. Connect your mouse and keyboard (included) to the rear USB ports.
5. Connect power:

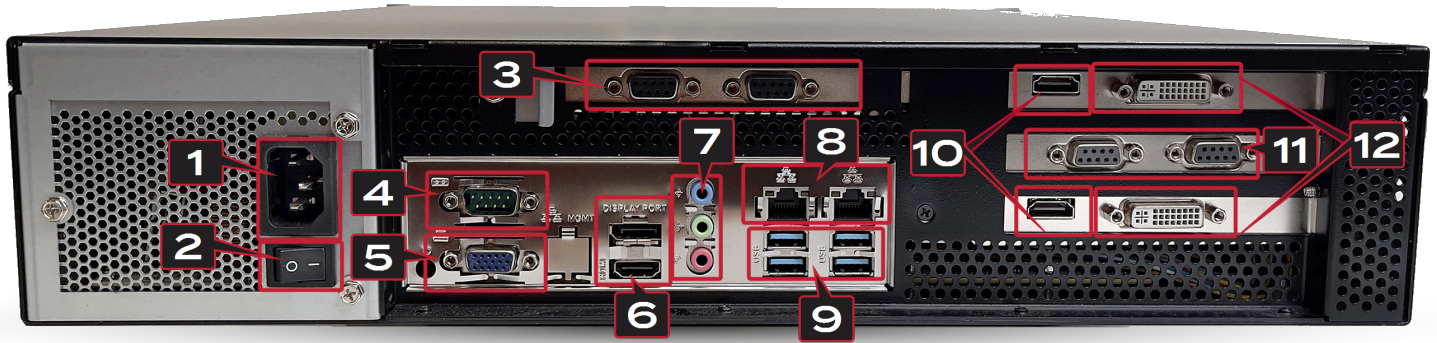
- i. The NVR will automatically power on and boot into a Wizard which will guide you through the configuration of your video recorder.
- A USB drive containing the 3xLOGIC Support Environment is connected within the chassis. To access the Support Environment, simply boot to the drive.
- The Support Environment allows for Windows images to be taken or applied as well as providing access to multiple diagnostic tools.

FRONT



PART NAME		FUNCTION
1	USB 3.0	USB 3.0 Port
2	CHASSIS LOCK	Chassis front gate lock
3	POWER SWITCH	On / Off Power Supply Switch
4	HDD Bays	Swappable HDD Bays

BACK



PART NAME		FUNCTION
1	Power Supply	Power Supply Port
2	PSU Switch	On / Off Switch for Power Supply
3	2x Analog Audio Inputs	Analog Audio In
4	SERIAL PORT	RS-232
5	VGA (D-Sub)	VGA Video Out
6	Display Port/ HDMI Out	Display Port / HDMI Video Out
7	AUDIO IN / OUT	Audio In and Out, Mic Ports (3.5mm)
8	LAN	Connect to Site LAN and IP Cameras
9	4x USB 3.0	USB 3.0 Ports
10	2x Capture Card HDMI Out	Analog Capture Card HDMI Video Out for use with PVM / Spot Monitors
11	2x Analog Audio In	Analog Audio In
12	2x Analog Video In	Analog Video In

Read the pre-install and safety guidelines in the next section of this guide before proceeding.

3 CONTACT INFORMATION

3xLOGIC has offices in Fishers, Indiana, USA and Exeter, UK. Please visit our 3xLOGIC website at www.3xlogic.com. Please contact us by e-mail at helpdesk@3xlogic.com (technical support), or using the following contact information:

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