



VIGIL NVR-1U-8CH

COMPACT (1U) LINUX-BASED NETWORK VIDEO
RECORDER
QUICK START GUIDE - V1.0.0



62368-1



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	AC 100V~240V, 50/60HZ
Operating Environment	Indoor Equipment Only
Operating Temperature	0°C ~ 40°C
Humidity	10-90% RH (non-condensing)

2.3 SETUP



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

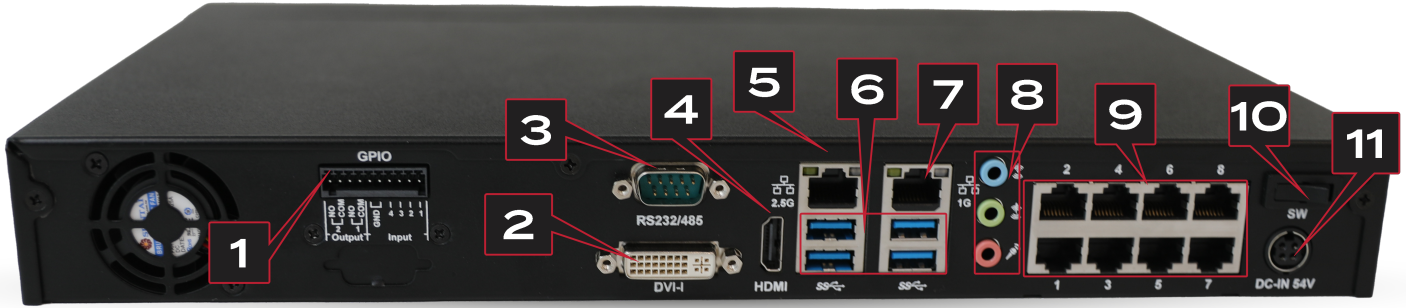
1. Connect all cameras to the embedded PoE ports.
2. Connect the Corporate LAN Port to your Site's LAN.
3. Connect a monitor to either HDMI or DVI-I.
4. Connect your mouse and keyboard (included) to the rear USB ports.
5. Connect power and setup the system:
 - i. The NVR will automatically power on when power supply is attached and the power switch is flipped..
 - ii. After the OS loads, access VIGIL Server Settings via VSMU from the *Start Menu>VIGIL Applications > VIGIL Settings*, or via right-clicking the VSMU system tray icon and selecting **Advanced Setting**.
 - iii. You will be prompted to change the system password from the defaults of *administrator / 123*. A new password is required for the software to function.
 - iv. Confirm a video storage drive has been setup on the *Storage* tab. If no drive has been setup, add a VIGIL Video Drive. An active video drive is required for video recording.
 - v. Navigate to the *Server* tab and configure a **Site Name**.
 - vi. If quick and easy access is desired, navigate to *Server Tab > VIGIL Connect* and configure a **VIGIL Connect Alias**.
 - vii. To add cameras, navigate to *Camera Tab > Network Camera Settings* and select **Detect Camera** (launches detection tool).
 - viii. A list of detected devices is produced. All 3xLOGIC VISIX Gen III across all subnets will be detected. ONVIF-based cameras must be on same subnet for detection.
 - ix. Select desired camera. Click **Change IP** if desired. DHCP settings can also be accessed from the *Change IP settings* window. Camera login is required for IP Settings change.
 - x. Camera preview and stream selection will deploy. To set stream settings, login also required for camera. If using default admin / admin default Gen III credentials, user will be prompted by detection utility to change camera password.
 - xi. Click **OK** . Network Camera Settings form will autopopulate with selected cameras information.
 - xii. Repeat as necessary to add more cameras.
 - xiii. Add VIGIL users from the *Users tab* as required.
- A USB drive containing the 3xLOGIC Support Environment is affixed within the chassis. To access the Support Environment, open the chassis, remove the USB drive, plug it into a USB port on the system and boot to the drive.
- The Support Environment allows for Linux images to be taken or applied as well as providing access to multiple diagnostic tools.

FRONT



	PART NAME	FUNCTION
1	Power LED	Display Power Status
2	HDD LED	Blinks to indicate drive activity
3	2x USB 2.0	USB Ports
4	PoE LEDs	Blinks to indicate corresponding PoE port activity.

BACK



PART NAME		FUNCTION
1	Alarm I/O	Alarm Terminal
2	DVI-I	Video Out (intended for system setup only)
3	Serial Port	RS-232 (D-Sub) for external serial communication
4	HDMI	Video Out (intended for system setup only)
5	Corporate LAN (2.5 Gbps)	Connect to Site LAN
6	4x USB 3.0	Display Port / HDMI Video Out
7	Secondary LAN (1 Gbps)	For IP POS Connections, etc...
8	Audio In / Out / Mic In	Audio Connections
9	8x Embedded PoE Ports	Connect PoE-enabled cameras
10	Power Switch	Provide or cut power to system.
11	Power Supply Port	Port for supplied DC 54v Power Adapter

Be sure to the read pre-install and safety guidelines in the previous 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:

3XLOGIC TECHNICAL SUPPORT:

Toll Free:(877) 3XLOGIC

(877) 395-6442

Email:helpdesk@3xlogic.com

Website:www.3xlogic.com

3XLOGIC NORTH AMERICAN OFFICE:

11899 Exit 5 Parkway, Suite 100

Fishers, IN 46037

United States. (303) 430-1969

3XLOGIC EUROPEAN OFFICE:

Signal House

15 Cofton Rd

Exeter

EX2 8QW

United Kingdom, +44 (0) 333 789 3300