

## Cathexis CNVR-10XX



### Introduction

The **Cathexis Compact NVR** is a powerful, compact embedded Linux VMS solution, engineered for **maximum reliability and efficiency** while offering a **lower-cost alternative** to the traditional CathexisVision NVR. Based on an X86 platform, the **open platform abilities** and **video analytics** of the CathexisVision feature set can be supported for **single server, on-site applications**.

### Features

- Intel® Celeron® Processor J3455 (2M Cache, 2.30GHz) with low power consumption and high performance.
- 8/16 independent PoE (Power over Ethernet) network interfaces are provided for IP cameras.
- Up to 10TB storage space for each HDD (maximum 2 storage hard drives)
- 100MBs/1GBs network interface for external Ethernet connectivity.
- Best suited for single server, on-site environments.
- Video recording throughput of 100 MBs
- 3-year warranty



# Physical Interfaces

## CNVR-1108B / 1116B Front View



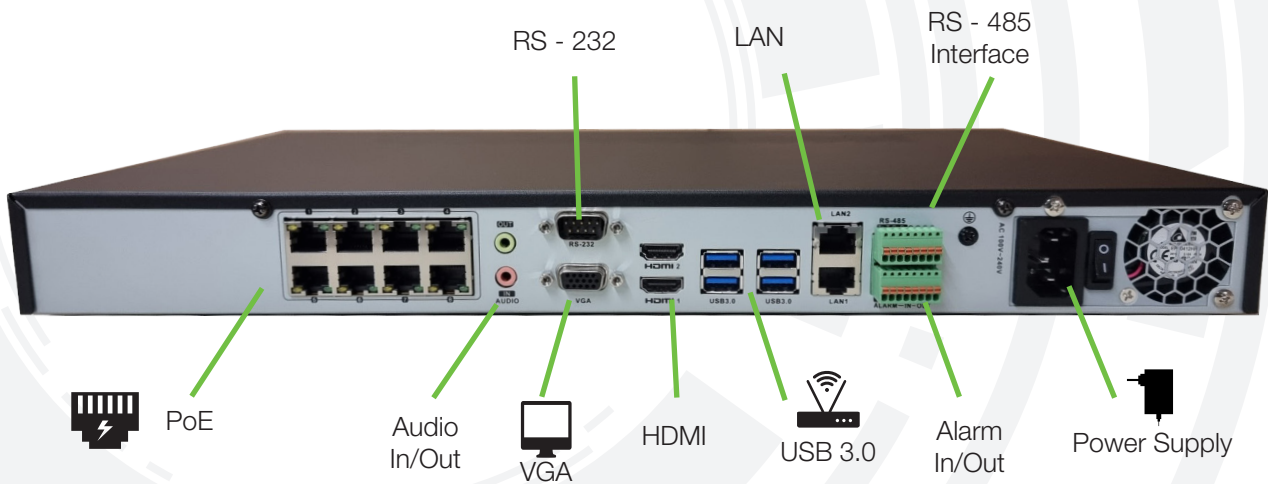
Power Button

LED Status Indicators for Power, Network and HDD



USB 2.0 Interfaces

## CNVR-1108B Rear View



PoE

Audio In/Out



VGA

HDMI

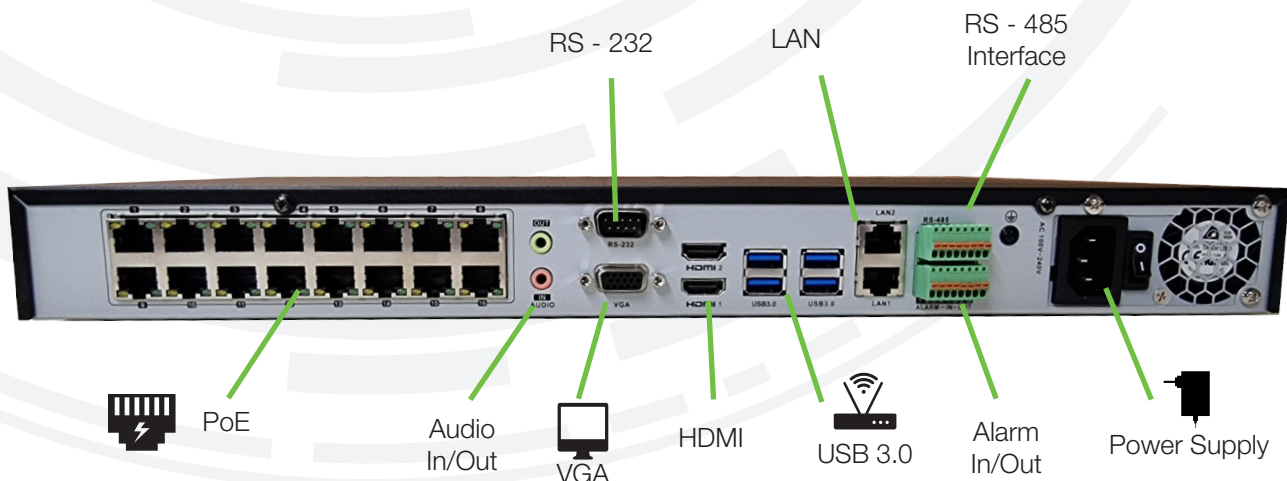


USB 3.0

Alarm In/Out

Power Supply

## CNVR-1116B Rear View



PoE

Audio In/Out



VGA

HDMI



USB 3.0

Alarm In/Out

Power Supply



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**CathesisVision**  
Video Surveillance Management Solutions



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# CNVR-1108B / 1116B Specifications

<b>Processor</b>	<b>Intel® Celeron® Processor J3455 (2M Cache, 2.30GHz)</b>	
<b>Memory</b>		4GB with mSATA 64GB for OS
<b>Display</b>	HDMI Output	2-ch, resolution: 4K(3840x2160)@30Hz, 2K(2560x1440)@60Hz, 1920x1080@60Hz, 1600x1200@60Hz, 1280x1024@60Hz, 1280x720@60Hz, 1024x768@60Hz.
<b>Video</b>	VGA Output	1-ch, resolution: 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1024 x 768/60Hz.
<b>HDD Interface</b>	SATA Interface	2 (CNVR-1108B) / 2 (CNVR-1116B)
	Capacity	Up to 10TB for each HDD (recording requirement only)
	HDD Type	Surveillance-class HDD recommended.
<b>External Interface</b>	Network Interface	2x, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface.
	PoE Interface	8x (CNVR-1108B) / 16x (CNVR-1116B) independent 100 Mbps PoE network interfaces.
	PoE Consumption	190W (CNVR-1108) / 292W (CNVR-1116)
	PoE Standard	IEEE 802.3 af/at
	Audio Input	1x RCA (2.0Vp-p, 1kΩ)
	Audio Output	1x RCA (2.0Vp-p, 1kΩ)
	Serial Port	1 x RS-232; 1x RS-485
<b>Power Requirements</b>	USB Interface	2 USB 2.0 interfaces in front panel and 4x USB 3.0 ports in rear panel.
	Alarm In/Out	4 / 2 (CNVR-1108B); 4 / 2 (CNVR-1116B)
	Power Supply	100 ~ 240 VAC 50/60 Hz
	Consumption	≤ 30W ((without HDD or PoE Cameras)
<b>Environmental Specifications</b>	Working Temperature	0°C ~ 45°C (+32 °F ~ +113°F)
	Working Humidity	10% ~ 90%
<b>Hardware specifications</b>	Chassis	1U chassis (CNVR-1108B and CNVR-1116B)
	Dimensions (WxDxH)	440 x 285 x 45mm (CNVR-1108B and CNVR-1116B)
	Weight (without HDDs)	≤ 3.2 kg (7.06lb) CNVR-1108B ≤ 3.3 kg (7.28lb) CNVR-1116B
<b>Live View Specification</b>	HD Monitor	1x 6MP @ 12fps 4x 4MP @ 12fps 9x 1MP @ 12fps 16x 4CIF @ 12fps
<b>Video Recording</b>		100MBs throughput.
<b>CathexisVision Licenses</b>		CathexisVision Lite with camera licenses as standard. Contact your local sales office for extra package options.

## Hardware Ordering Information

CNVR-1108B/1116B	Intel® Celeron® Processor J3455 (2M Cache, 2.30GHz)
100-01332-1TB	Surveillance Hard Drive - 1TB
100-01562-2TB	Surveillance Hard Drive - 2TB
100-01671-3TB	Surveillance Hard Drive - 3TB
100-01783-4TB	Surveillance Hard Drive - 4TB
100-01820-6TB	Surveillance Hard Drive - 6TB
100-02065-10TB	Surveillance Hard Drive - 10TB
KBD-3000	Keyboard with LCD and Joystick