

# BLUE-BX-5770

## Fanless Mobile NVR with Intel® Core™ i7-3517UE, Genetec SecurityCenter and 8 Ports PoE for Public Transport Surveillance



### Overview

Built for vehicular settings the **BLUE-BX-5770** has gone through extensive vibration and shock testing, it has been approved under the E13 system as an in-vehicle computer. The **BLUE-BX-5770** has 2 removable 2.5" HDD/SSD drive bays and 2 expansion slots for both WiFi and 3G add-on modules plus a GPS receiver. It allows the **BLUE-BX-5770** to update content as well as offload tracking information along with the captured images to a remote monitoring system in real-time and wirelessly. The system also boasts an abundance of I/O and internal expansion capabilities including 8 PoE ports, 6 USB, 2 COM ports, and DIDO ports.

### Features

**Multiple PoE LAN ports to support Transport Surveillance** This mobile NVR with 8 PoE ports (IEEE 802.3af) is suitable for IP Video Surveillance and real time recording applications.

### Fanless Design with Corrugated Aluminum

The corrugated aluminum casing allow heat to dissipate off the top of the platform allowing for a fanless design.

### Vehicle Ignition Power Management

Detect the ignition on/off status and allow controlling delay time by flexible setting via software utility.

### Convenient DC output

**BLUE-BX-5770** offer 9~36VDC (max 10A) output for external devices. It can be enabled or disabled via software.

### Design for MIL-STD-810G with Extreme operating temperature

This product is ruggedized to support a wider than usual range of temperatures. Outfitted with industrial components (SSD, Memory) this appliance can thrive in harsh conditions.

### Diversity of Digital Input/ Output Support

**BLUE-BX-5770** supports 2x DI (Digital Input from MCU) which can connect sensors to detect the environment. Once certain events occur, **BLUE-BX-5770** can be turned on automatically. DI/DO supports 12V level for easy usage with vehicle parts.

### Design for MIL-STD-810G with Extreme Vibration Resistance

**BLUE-BX-5770** is in compliance with MIL-STD-810G in vibration and shock with SSD storage and Suspension Kit for further harsh environment.

### 2.5" Removable Drive Bays

The **BLUE-BX-5770** supports two 2.5" removable drive bays and SATA hard drive from 7 mm to 15 mm height, it making switching and swapping drives easier in the fields.



Genetec Inc. is a leading innovator in IP-based security systems and has helped transform the industry by providing customers with a unified portfolio of video surveillance, access control, and automatic license plate recognition solutions. Designed to leverage the benefits of network technology, Genetec™ products are built on an open architecture, allowing customers to choose from a wide range of edge devices and third party systems, and providing unsurpassed flexibility to allow the system to evolve and grow with the needs of customers. The core of our technology is Security Center, the unified security platform from Genetec.

Security Center is the unified platform that lets you manage all your security and business systems. Security Center standardizes common security operations from multiple systems such as monitoring, reporting, alarm management and configuration, and makes all tasks easily accessible via a single intuitive application.

#### **Omnicast - IP Video Surveillance | See it all. All the time.**

As part of the Security Center unified platform, the Omnicast™ IP video management system (VMS) provides organizations of all sizes the ability to deploy a surveillance system that addresses their unique video security needs. Through deep support for a wide range of industry-leading cameras, encoders, and CCTV equipment, the Omnicast system scales and adapts to the changing demands of your security environment.

#### **Freely Grow Your System**

Monitor and easily maintain hundreds or thousands of devices and grow your system to any size, without hassle or restrictions.

#### **Get Continuous Uptime**

Ensure the highest percentages of system availability. Retain video and data access and integrity even when system failures occur.

#### **Monitor from Terminal to Fleet**

Manage all your fixed and onboard systems in one solution to get a complete view of events happening throughout your organization.

#### **System Access from Anywhere**

Share video footage with authorities and access cameras during live events from mobile devices for enhanced situational awareness.

# Technical Specifications

Dimensions (WxHxD)	276.4 x 190 x 93.5 mm
Processor	Intel® Core™ i7-3517UE Processors
Chipset	Intel HM65
System Memory	DDR3 SO-DIMM x2 - Up to 16GB
Storage	SATA - Removable 2.5" SSD/HDD drive bay x2, SATA hard drive from 7mm to 15 mm height, mSATA x1
Ethernet Controller	Intel 82574L x2
Graphic Controller	Intel integrated HD graphic engine
Audio Controller	Realtek ALC886 HD codec
LAN	GbE RJ45 x2
Display	DVI-D, maximum resolution up to 1920x1200@75Hz VGA, maximum resolution up to 2048x1536@60Hz HDMI, maximum resolution up to 1920x1200@60Hz Dual display function supports Independent, clone and extended mode.(VGA+DVI or VGA+HDMI)
Audio	Mic-in and Line-out with 2 watt by DB9 female connector
Serial I/O	2x RS-232/422/485 with RI/5V/12V
GPS	Ublox NEO-7N GPS receiver module
G-sensor	ADXL 345
GPIO	4x DI 12V Level 3x DO 12V Level 2x DI (from MCU) 3.3V Level
USB 2.0	Type A x6
Power Input	3-pin terminal block (+, -, ignition)
Expansion	Mini-PCIe x2 (one with SIM card reader)
PoE	PoE x 8, IEEE 802.3af, standard PoE
Others	External: 3x SMA antenna hole, reset, Remote Power switch Internal: 9~36Vdc (max.10A) On/Off software controllable
Power Input	+9~36VDC input range, ATX mode support ignition delay on/off control
PoE Power Adapter	LVP-POE936A included
Certifications	CE, FCC Class A, E13, RoHS
Compliance	Vibration: MIL-STD-810G, Method 514.6 Shock:MIL-STD-810G, Method 516.6
Operating Temperature Range	Extended - With Selected Industrial Components -20~55°C/-4~131°F Standard - With Commercial Components -5~45°C / 23~113°F