



Key Features



Heartbeat

Keeps your operation running.

Heartbeat is a round-the-clock hardware safeguard. Its micro controller overlooks the whole hardware platform to ensure continuous operation even in the event of a critical breakdown.

Heartbeat solves most of your problems through a process of self-healing; therefore reducing the need for technical onsite assistance.

In the event of failure, the server will send a help signal via digital I/O. It can also be connected to a CMS Alarm.

Heartbeat runs on its own battery, so even during a complete power breakdown it will continue working hard for you!

Heartbeat is your durable defense!



Guardian

Our watchdog. Your relief.

Guardian provides robust monitoring in the operating system. It checks NVR software health status, oversees video recording activity, and monitors CPU & memory usage. Guardian proactively sends signals to Heartbeat and keeps your system working at all times!

Guardian is your total observer.



Security Key

Your access to total protection.

Security Key is digitally encrypted and paired exclusively with individual ECA for your personal protection. Security Key allows you to perform the rescue and revival process easily with the powerful and user-friendly ECA-OS. It also assists in the ECA authorization process to change and save settings.



Triple layer ECA-OS

The operating system you can trust.

The powerful ECA-OS is designed to meet today's challenging industry standards. It protects your system with triple layer security at each level. The ECA-OS is capable of efficient job management. It offers short, critical disaster downtime*.

**In most cases, less than 5 minutes.*

User Layer

Normal user level operation layer with protected OS environment

Good working state layer after T&C from system integrator

Factory Layer

Layer contains original default factory settings and working OS

ECA-OS is your reliable helper!



TrueBlue™ Support

We understand your needs!

All ECA products & services are backed by TrueBlue™ Support, a team of professionals who know every GSF product. Our passionate engineers are committed to shorten your critical rescue hours. More importantly, we deliver effective and efficient solutions while you focus on your business!

- 3 years hardware warranty*
- Professional engineer support*
- Fast warranty exchange*

TrueBlue™ Support is your engineering associate!

**Authorized partners only. Terms and conditions apply.*

Storage

Four Removeable HDD Bay support
 Four 3.5-inch Serial ATA hard drives
 3GB/s & 6Gb/s ; 1,2,3, and 4TB HDD
 Internal SSD for OS use only

Video Storage

2Mbps@25CH, 30days: 12TB (3TBx 4unit)
 3Mbps@24CH, 30days: 16TB (4TB x 4unit)
 Max dedicated video storage: 16TB*

Display

Dual monitors support output supported
 DVI*+HDMI / *DVI+DP / HDMI+DP
 *Support DVI to VGA Converter
 Max resolution 1920 x 1080 (DVI/HDMI) Max
 resolution 2560 x 1600 (DP)

HDCCTV Live Display Performance

Max live HDCCTV display 16CH
 12FPS@25CH ; FULL HD Resolutions,
 up to 4mbps each CH.
 Support remote live display via networks
 with ECA VMC/VMS machines*

Networking

Dual LAN (RJ45 connector)
 10/100/1000Base-T Gigabit Ethernet

Processing, Memory and Audio

Intel Xeon Quad-core E3 processor
 4GB system memory, 1333MHz DDR3
 Audio line out jack, audio via HDMI

NVR Software - Preloaded

Vivotek ST7501 32CH VMS

**Contact us for other supported software*

Electrical

Line voltage: 240V AC
 Frequency: 50Hz, single phase
 Power outputs: 450W (max)
 Continuous power consumption: 250W

ECA Features 3.3

Heartbeat, programmable micro controller for
 system auto healing and monitoring.

Connectable to CMS Alarm via Digital I/O.
 12hours self sustaining with in-built lithium
 polymer battery.

Guardian software watchdog for NVR
 Application and general system health
 monitoring.

Security Key, 128bit Blowfish encryption
 algorithms. Pairing unique for each ECA.

Triple Layer ECA-OS (powered by Microsoft ®
 Windows Embedded 7 core OS engine).
 64bits OS architecture. Workstation version.

Smart∞logic ready with four digital inputs and
 one output support NC/NO. Smart∞logic brain
 sold separately.

Size & Weight

— 220mm —



Depth: 310mm
 Width: 220mm
 Height: 270mm

— 310mm —



Approx Weight: 13kg
 Desktop rack mount

Limited Warranty & Service

1 year TrueBlue™ Oncall phone support
 Limited TrueBlue™ Carry-in hardware warranty.

Purchase the TrueBlue™ Support Pack to extend
 your warranty to three years and TrueBlue™
 Onsite "machine failed" support from your
 purchase date.

Model & Configuration

ST7-MX0000SC-SSSS

Example: ST7-MX0000SC-16TB
 ST7501 NVR Software, MX Series,
 Server Client Mode & 16TB HDDs

NNN: NVR Software Code

MM: Mode. SC=Server Client (with Live Display);
 SM=Server Mode (Server Mode Only)

SSSS: Factory Pre-Built Video Storage (xxTB)

Distributed by:

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