

i-NVR Elite

Features

- High-performance Intelligent Network Video Recorder
- Compatible with:
 - C-series codecs
 - S-series video servers
 - OpteliDome™ and OpteliCam™ IP cameras
 - Third party IP-cameras
- 32 or 64 streams input
- High-density RAID-5 storage
- Hot swappable hard disks
- Intelligent video motion detection
- Integrated event handling
- SDK support
- Robust industrial design

Description

The *i-NVR Elite* complements Optelecom-NKF's IP surveillance portfolio with a cost-effective, highly reliable rack-mount video storage solution. In combination with Operator Office™ or MX™ SDK (Software Development Kit), the *i-NVR Elite* forms an essential part of the video surveillance application for storing and retrieving vital video information. It fully supports the video streams of the S- and C-series video codecs/servers, and IP-cameras. For other Optelecom-NKF IP-cameras please contact Optelecom-NKF.

Reliable storage and retrieval

The *i-NVR Elite* supports scheduled background recording in a FIFO cyclic buffer, and alarm track recording with configurable pre- and post-event duration. Tracks can be retrieved based on camera name, time/date, event and user definable bookmarks. Exported files are watermarked with a checksum to ensure content integrity. The *i-NVR* can simultaneously handle background recording of 32 streams, retrieving of 8 or more tracks and event driven recording, while executing all



i-NVR

MPEG-2

MPEG-4

management tasks. The *i-NVR* operates without the need of a central server or storage manager, thus eliminating the risk of a single point of failure in complex networks.

Industrial design

The mechanical housing is a 2U or 4U industrial 19-inch housing with respectively 8 or 16 hot-swappable hard disk slots. All mechanical and electrical components are selected for their reliability and optimal performance for 24/7 operation. The storage is built in a RAID-5 configuration to ensure data protection even if one of the hard disks would fail. In case of a disk failure the RAID configuration can be rebuilt on-line, without performance degradation of the *i-NVR* functionality.

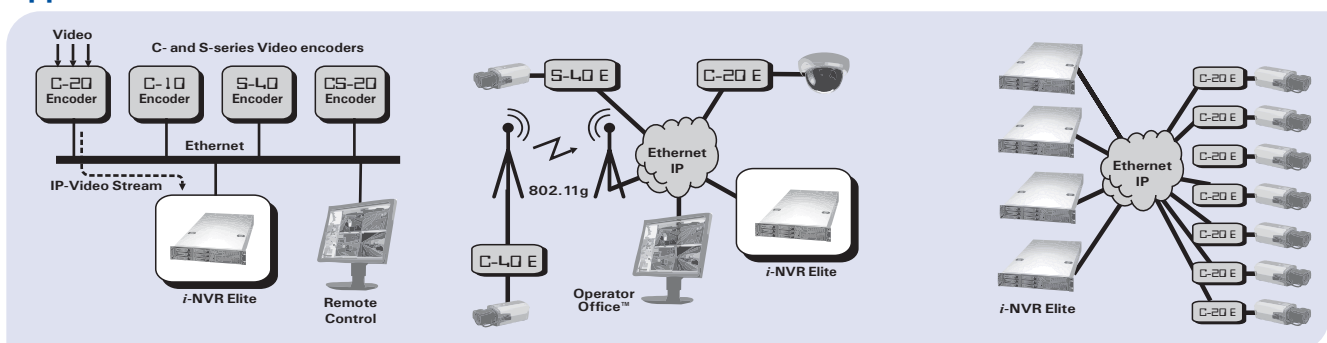
Versatile CCTV solutions

The *i-NVR Elite* is a component of Optelecom-NKF's Siquira™ surveillance solutions offering seamless integration of video management, network recording, client and control software, and video content analysis software.

Ordering information

Model	Description	Managed
<i>i-NVR Elite</i> 1250-32	32-channel 2U RAID-5 <i>i-NVR Elite</i> with 1250 GB disk capacity	MX
<i>i-NVR Elite</i> 2500-32	32-channel 2U RAID-5 <i>i-NVR Elite</i> with 2500 GB disk capacity	MX
<i>i-NVR Elite</i> 3500-32	32-channel 2U RAID-5 <i>i-NVR Elite</i> with 3500 GB disk capacity	MX
<i>i-NVR Elite</i> 5250-32	32-channel 2U RAID-5 <i>i-NVR Elite</i> with 5250 GB disk capacity	MX
<i>i-NVR Elite</i> 6500-32	32-channel 4U RAID-5 <i>i-NVR Elite</i> with 6500 GB disk capacity	MX
<i>i-NVR Elite</i> 8000-32	32-channel 4U RAID-5 <i>i-NVR Elite</i> with 8000 GB disk capacity	MX
<i>i-NVR Elite</i> 9750-32	32-channel 4U RAID-5 <i>i-NVR Elite</i> with 9750 GB disk capacity	MX
<i>i-NVR Elite</i> 10500-32	32-channel 4U RAID-5 <i>i-NVR Elite</i> with 10.5 TB disk capacity	MX
<i>i-NVR Elite</i> 12000-32	32-channel 4U RAID-5 <i>i-NVR Elite</i> with 12 TB disk capacity	MX
<i>i-NVR Elite</i> xxxx-64	64-channel version of the <i>i-NVR Elite</i> RAID-5 storage unit	MX

Applications



Technical Specifications

Video

Nr of input streams:	up to 32 streaming video inputs	
<i>i</i> -NVR Elite xxxx-32	up to 64 streaming video inputs	
<i>i</i> -NVR Elite xxxx-64	C-series encoders and decoders	
Device/stream compatibility	S-series video servers and decoders	
	OpteliDome and OpteliCam	
	(For other vendors, contact Optelecom-NKF)	
Resolution (HxV)	PAL	NTSC
D1	720x576	720x480
2/3D1	480x576	480x480
HD1	352x576	352x480
CIF	352x288	352x240
QCIF	176x144	176x120
Frame rate	1 to 25/30 fps, configurable per stream	

Storage

<i>i</i> -NVR Elite type	Storage Capacity	RAID-5 configuration	Nett Storage
1250-32 / -64	1250 GB	4 + 1	1000 GB
2500-32 / -64	2500 GB	4 + 1	2000 GB
3500-32 / -64	3500 GB	6 + 1	3000 GB
5250-32 / -64	5250 GB	6 + 1	4500 GB
6500-32 / -64	6500 GB	12 + 1	6000 GB
8000-32 / -64	8000 GB	15 + 1	7500 GB
9750-32 / -64	9750 GB	12 + 1	9000 GB
10500-32 / -64	10.5 TB	13 + 1	9750 GB
12000-32 / -64	12 TB	15 + 1	11250 GB

Security

Authorization	Multilevel password protection
Logging	User activity
Image authentication	Checksum
Source authentication	Audit trail in stream

Software

Operating system	Windows XP professional
Graphical user interface	Optional

Functions

Event triggers	Intelligent Video Motion Detection, External Alarm/Event triggers from encoders/servers/cameras (Contact Closures, VMD) Optional Intelligent Scene Analysis (ISAS) Optional Automatic Number Plate Recognition (ANPR)
Transmission	10/100/1000 MB Ethernet
Export/import media	CD/DVD writer/player USB memory stick

Network Management & Control

Management/ configuration	MX™ Configuration Toolkit 2.0 and higher; MX™ SDK 1.4 and higher.
SNMP	RAID-5 controller; hard disk integrity.

Powering

Power supply	230 Vac (/EU) or 115 Vac (/US)
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Environmental

Operating temperature	0 to 40°C
Recommended temp. range	+ 10 to + 30°C
Relative humidity	< 90% (no condensation)

Mechanical

Dimensions	
Models up to 5250 GB	2U 19" rack 660 x 430 x 88 mm (dxwxh)
Models from 6500 GB	4U 19" rack module 660 x 430 x 132 mm (dxwxh)

