

## 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.

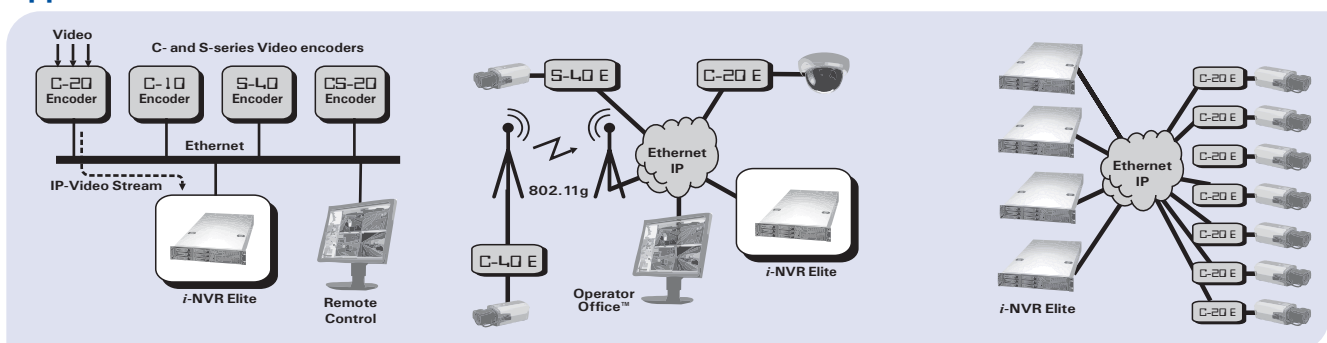
### Versatile CCTV solutions

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)	<b>PAL</b>	<b>NTSC</b>
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)

