LOGIPIX

IP based Video Surveillance Systems

Ranging from 2MP to 150MP

Stitched Panoramic Image

Several cameras are used to create one image

Fastest Industrial NVR

Up to 80Tbyte storage capacity

Intelligent Video Content Analysis

For the fastest way to locate incidents

Open System Architecture

Compliant with the ONVIF standard

LOGIPIX

LOGIPIX
Complete Security and Surveillance Systems

REFERENCES

Stadium Video Surveillance

Szusza Ferenc Stadium, Hungary
Győri ETO Stadium, Hungary
Pancho Arena, Hungary
Borisov Stadium - FC BATE Barysaw, Belarus
Bath Rugby Stadium, UK
Olympic Stadium, Cairo
ZTE Arena, Hungary

City Surveillance

Sukoró, Hungary
Port Said, Egypt
Luxor, Egypt
Sharm El Sheik, Egypt
Budaörs, Hungary
Siófok, Hungary

Surveillance of Industrial Sites

Samsung Hungary
Flextronics
Procter & Gamble
Reckitt Benckiser
Alcoa
Ózd Metallurgical Works Seal

Traffic Enforcement

Centre of Budapest Transport (WALK-DVR System in buses)
Stadler AG (WALK-DVR System in railcars)
Hungarian State Railways Co. (WALK-DVR System in railcars)

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Special Applications

LOGIPIX Video Surveillance Systems for Stadiums

Face recognition available at each seat in both live
and archive mode
Individually installed Multi-Megapixel LOGIPIX cameras
Stitched panoramic images in 240MP resolution
Full HD PTZ cameras are linked to the panoramic system
PTZ control on the panoramic image
Full HD cameras
All details monitored in high resolution
No hidden or duplicated areas
The MultiZoom function is available on the stitched camera picture

City Surveillance

Several 15MP LOGIPIX cameras can replace hundreds
of analogue ones
Detect public property damage
Detect abandoned objects

Surveillance of Industrial Sites

Up to 5,000 sites can be organized on the multi-level map
Using 15MP cameras with 1 Tbyte local storage
Integrated Intruder Alarm functions
Integrated Access Control functions
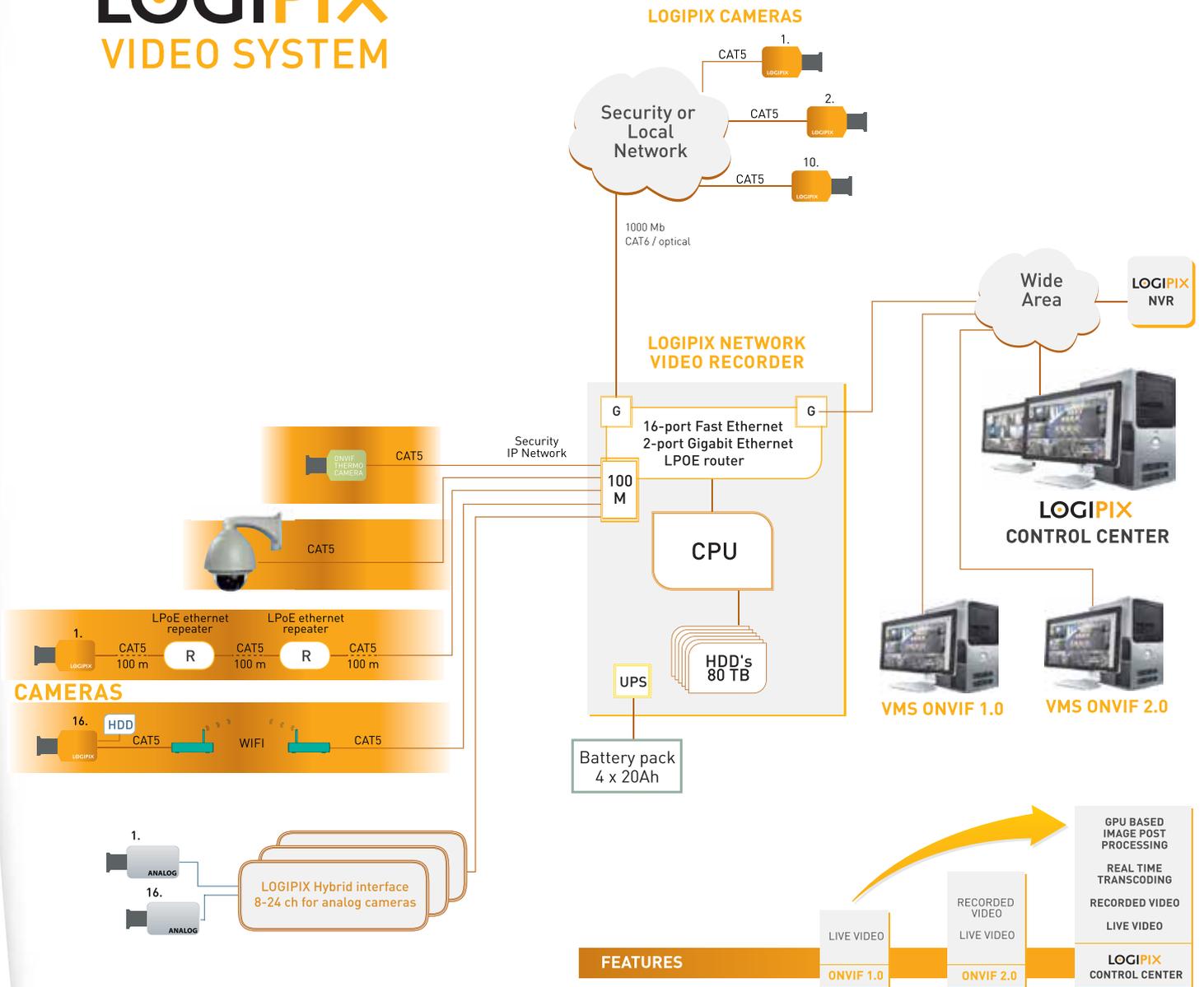Centralized alarm and video management
Operation over the GSM network

Traffic Enforcement

Red Line Module
Stopline
Detect traffic rule violations
Parking lot application

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THE
LOGIPIX
VIDEO SYSTEM

LOGIPIX CAMERAS

CAT5 — 1. LOGIPIX

Security or Local Network

CAT5 — 2. LOGIPIX

CAT5 — 10. LOGIPIX

1000 Mb
CAT6 / optical

Wide Area — **LOGIPIX NVR**

LOGIPIX NETWORK VIDEO RECORDER

ONVIF THERMO CAMERA — CAT5 — Security IP Network

CAT5

| G | | G |

**16-port Fast Ethernet
2-port Gigabit Ethernet
LPOE router**

100 M

CPU

**LOGIPIX
CONTROL CENTER**

LPoE ethernet repeater — **LPoE ethernet repeater**

1. LOGIPIX — CAT5 100 m — R — CAT5 100 m — R — CAT5 100 m

CAMERAS

16. LOGIPIX — HDD — CAT5 — WIFI — CAT5

**HDD's
80 TB**

UPS

VMS ONVIF 1.0 — **VMS ONVIF 2.0**

1. ANALOG

16. ANALOG

**LOGIPIX Hybrid interface
8-24 ch for analog cameras**

Battery pack
4 x 20Ah

**GPU BASED
IMAGE POST
PROCESSING**

**REAL TIME
TRANSCODING**

RECORDED VIDEO

LIVE VIDEO

RECORDED VIDEO

LIVE VIDEO

LIVE VIDEO

FEATURES

ONVIF 1.0 — ONVIF 2.0 — **LOGIPIX CONTROL CENTER**

Video System Features

High Quality Video Surveillance

2MP-150MP
H.264 and JPEG2000 image compression
Designed to work over a low bandwidth

LOGIPIX Cameras

Basic camera series with Full HD resolution
5MP cameras
9.1MP fixed cameras
15MP cameras (to survey larger areas)
LOGIPIX ONE, the new 14.2MP camera with 1 inch sensor being released soon
150MP Panoramic Cameras
PTZ cameras with Full HD resolution
Auto Back Focus
SATA interface with a built-in NVR function, and up to 1 Tbyte local storage

High Performance NVR

16-32 LOGIPIX cameras
Built-in high capacity RAID, 80 Tbyte/1600/Mbit/sec
Built-in high performance managed UPS/1kwh
Built-in managed LPoE router supplies the camera over CAT5
Managed VLAN, cameras are isolated from the company network
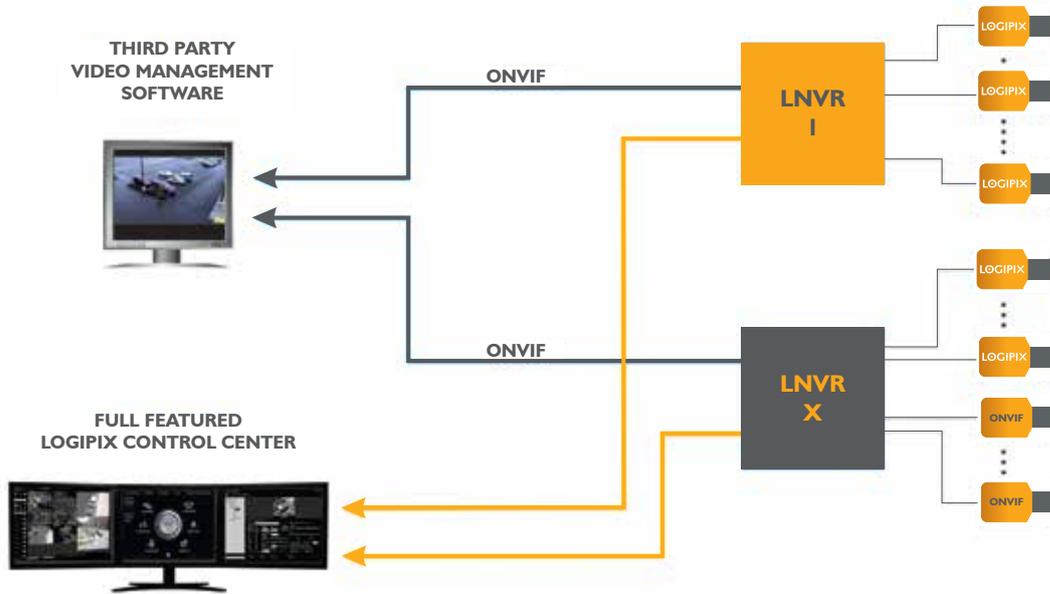Industrial design and operation 24/7

Video Management Software – The Control Center

Server – client architecture
User-friendly interface
Fully compatible with the ONVIF standard
Stitched panoramic images, with up to 1Gpx displayed on a single screen
LogiZoom ensures cost effective bandwidth management
Touchscreen gesture control for PTZ
Quick incident review
Efficient and versatile archive playback

LOGIPIX
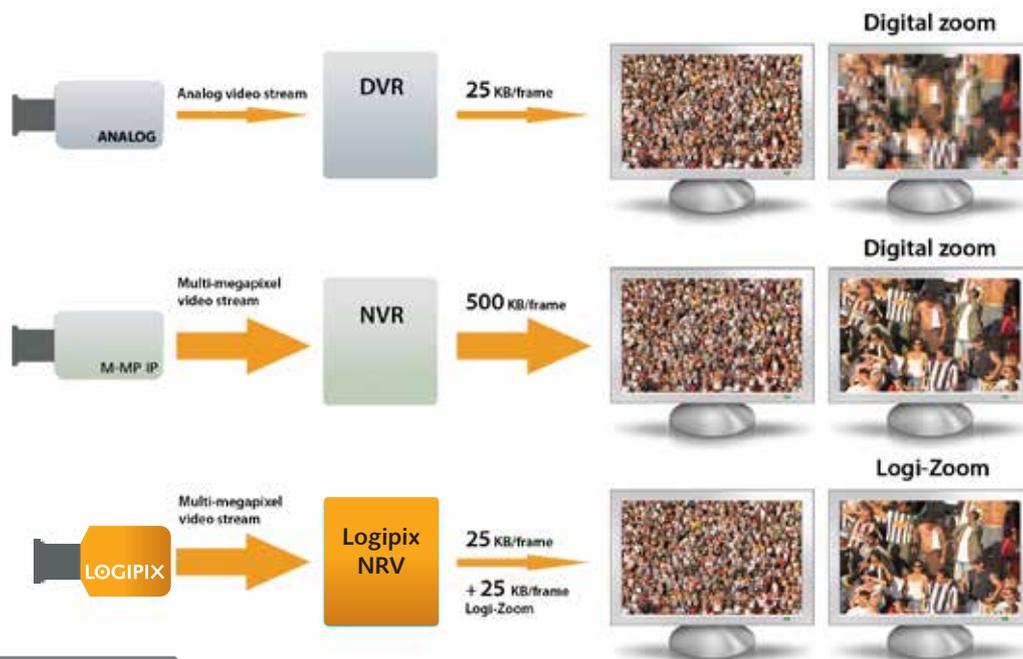### Complete Security and Surveillance Systems

ONVIF

Seamless integration with other ONVIF cameras
Connect third-party ONVIF cameras using the LOGIPIX NVR and the Control Center
Use third-party VMS to manage LOGIPIX subsystems
ONVIF 2.0 for live and archived images

THIRD PARTY VIDEO MANAGEMENT SOFTWARE

FULL FEATURED LOGIPIX CONTROL CENTER

ONVIF

ONVIF

LNVR I

LNVR X

LOGIPIX
LOGIPIX
LOGIPIX

LOGIPIX
LOGIPIX
ONVIF
ONVIF

Intelligent Picture Transmission with the LogiZoom Function

LogiZoom is a unique recorder side, zoom function that delivers high quality images over a low bandwidth. It is an extremely cost effective function as it only sends the actually required picture area in high resolution, with the rest of the image being sent in a lower resolution.

Digital zoom

Logi-Zoom

Multi-megapixel
video stream

LOGIPIX

Logipix
NRV

25 KB/frame

+ 25 KB/frame
Logi-Zoom

Compression for Multi-Megapixel Cameras – JPEG2000

Developed for high resolution images
Provides high quality images whilst keeping the file sizes small
Flexible bandwidth management
Wavelet based image compression

Stitched Panoramic Image

Several cameras are used to create one image
No redundant areas
All critical areas are monitored
Movements can be tracked seamlessly
View several high-resolution zoomed areas on a single
panoramic image

LOGIPIX Hardware Elements

LOGIPIX 15MP D/N ABF SATA

ICR function for switching between night and day mode
4608x3288 pixels, JPEG2000 compression
LpoE power over Ethernet
Auto Back Focus function
Local 1 Tbyte storage SATA HDD

LOGIPIX 15 ABF DOME

ICR function for switching between night and day mode
4608x3288 pixels, JPEG 2000 compression
Heating and cooling powered by the LPoE
Auto Back Focus function
IP 65 metal housing

LOGIPIX PTZ Cameras

Unique image processor developed by our engineers
Full HD resolution
H.264 and JPEG2000 compression standards
Long range varifocal lenses for up to 30x optical zoom
Touchscreen gesture control
Highly accurate and incredibly fast positioning system
LPR and face recognition up to 600 meters

LOGIPIX Panoramic Cameras

Up to ten integrated 15MP LOGIPIX cameras
Panoramic image with variable field of view
Synchronized pictures
No duplicated or hidden objects on the image
Available with the MultiZoom function

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LOGIPIX

Complete Security and Surveillance Systems

LOGIPIX FULL HD Cameras

Entry level camera series
H.264 compression standards
Transmission over low bandwidth networks
Available in different models: box, dome and bullet

LOGIPIX 5MP Cameras

H.264 compression standards
Recommended for monitoring medium to large areas
Transmission over low bandwidth networks

LOGIPIX Network Video Recorder- The LNVR

Box or rack mounted design
Intelligent picture transmission
Can manage up to a 32 high-resolution 15MP cameras
Up to 80Tbyte storage capacity
1600 Mbit/sec recording speed
VRM fail-safe file system
Built-in managed 16+2 port LPoE router
OLED screen for displaying LNVR status information

LOGIPIX Hybrid Extender

Seamless integration of analogue cameras
into the LOGIPIX system
Connect up to 24 analogue cameras
JPEG2000 compression standards
Box or rack mounted design
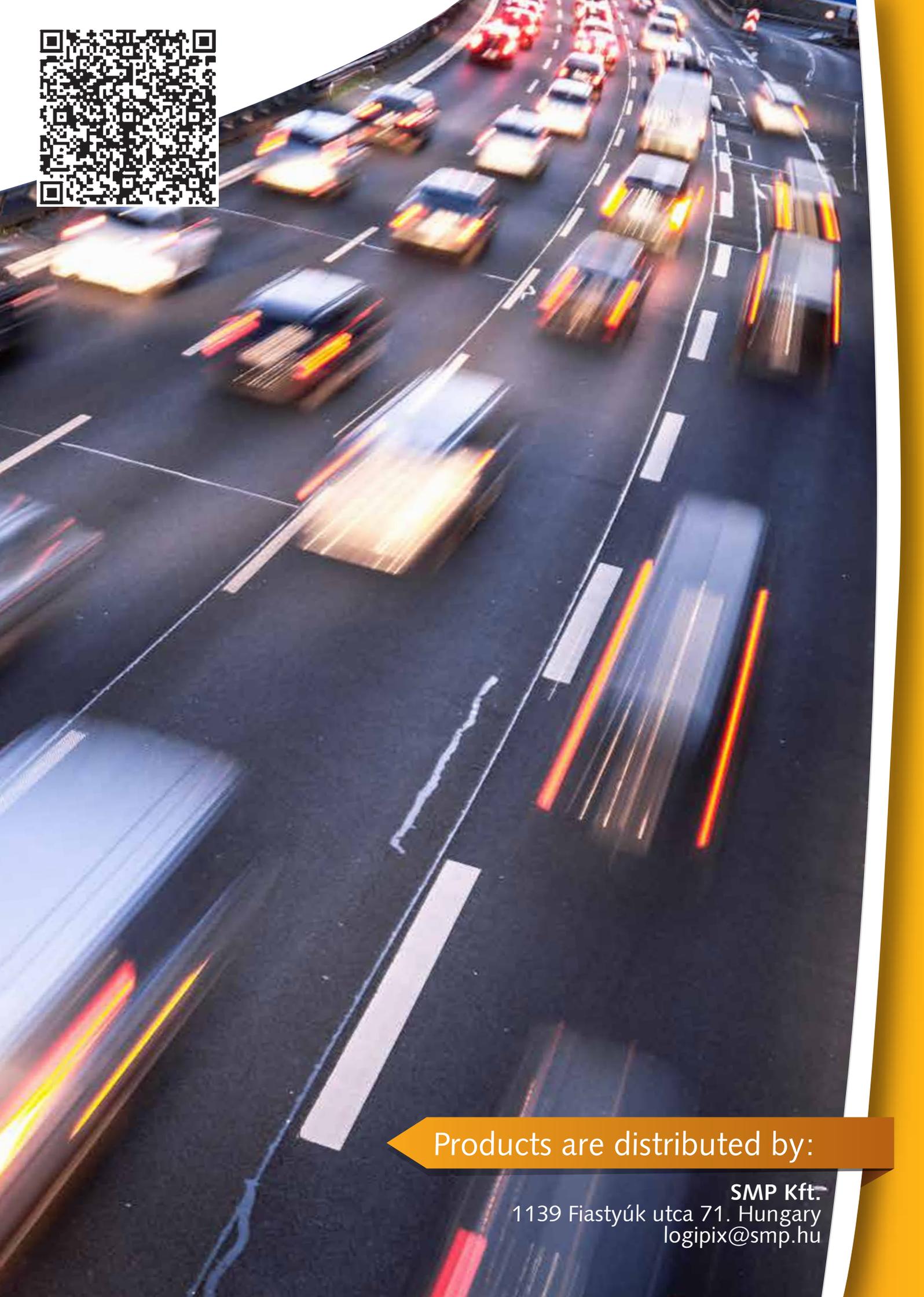Two channel LPoE connection
Storage on the LNVR

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LOGIPIX

Complete Security and Surveillance Systems

End to end multi megapixel solution

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