



Automation and Network Solutions



## **SURVEILLANCE AT A GLANCE: VIDEO OVER IP SYSTEM**

- COMPLETE MONITORING PACKAGE
- HARDWARE AND SOFTWARE • INDUSTRY STANDARD
- REALTIME, LOCATION-SPECIFIC DISPLAY
- UP TO 16 CAMERAS SIMULTANEOUSLY



**HIRSCHMANN**

# **AN EYE ON EVERYTHING AT ALL TIMES – JUST IN CASE THE UNEXPECTED HAPPENS.**

## **Requirements and Solutions**

Remote maintenance, process and traffic monitoring require visual observation to maintain control. And what could be better than being able to define the user surface on a location plan, using VIMAS. For an all encompassing view, you can simultaneously control up to 16 cameras that transmit moving images in realtime – from sprawling industrial premises and production installations, public places and parks to heavily attended sporting events and exhibition halls, in fact anywhere where constant vigilance is necessary.

This self-contained system, with hardware and software for simultaneous transmission of video, audio and data communications over ISDN, LAN (TCP/IP), GSM and modem, can also contribute to your long-term safety requirements – by storing video sequences and snapshots automatically on hard disk, maintaining a connection history via a logbook, and connection archived images and video sequences to conventional formats such as AVI. Not a single detail is missed, and it can be recalled easily when things need to be reviewed.



*The maintenance of constant product quality requires uninterrupted monitoring and documentation of all manufacturing processes in the long term.*



*For more information on the benefits and advantages of long-term monitoring of your production installation, please read the VIMAS User Instructions, or contact your Hirschmann representative.*

**Product features**

This package offers you the best in terms of functionality, temperature range, design and fitness for industrial use in Video over IP: The complete system comprises a video server R-VIP, network video recorder NVR and multimedia decoder software VIMAS and can be turned into an individualized solution when combined with the location plan, offering a multitude of management functions.

The multi-faceted visualization software for Windows offers the user a choice between full image display and monitoring mode (background display). The remote control system for peripheral devices can be activated either manually or integrated into automated monitoring sequences.



*The video system R-VIP T from the proven Rail product family.*



**Overall view:**  
*Up to 16 cameras equipped with the new VIP Software maintain surveillance, so that not a single detail is missed during remote maintenance, traffic and process monitoring.*



## Facts and Figures

Product description	
Description	Video and Audio transmission over ETHERNET
Type	R-VIP T
Order No.	943 750 – 001
Technical data	
Standards	MPEG4, H.261, H.263, H.323, M-JPEG, G.711
Video resolution	MJPEG 704 x 576, 2CIF 704 x 288, CIF 352 x 288, QCIF 176 x 144
Video frequency	up to 30 fps
LAN data rate	10 kBit/s to 1 MBit/s
LAN interface	RJ-45, Fast ETHERNET 10/100 Base-T, Autosensing
Video interface	BNC, 75 Ohm
Audio interface	Jack plug 3.5 mm
Audio input	adjustable from – 32 dBm to + 5.7 dBm
Audio output	– 10 dBm to 0 dBm, 600 Ohm
Data interface	RS 232 / RS 422 / RS 485, bidirectional, SUB D 9-pin
Supply voltage	24 V / 0.35 A DC

Product description				
Description	Video Management System for up to 16 Videosever	Video Management System for up to 32 Videosever	Video Management System for up to 64 Videosever	Video Management System for unlimited number of Videosever
Type	VIMAS 16	VIMAS 32	VIMAS 64	VIMAS unlimited
Order No.	943 854 – 001	943 854 – 002	943 854 – 003	943 854 – 004
Technical data				
Display	Connection control by drag & drop – User definable video windows – Built in electronic zoom function (MPEG4) – Simultaneous viewing of several video streams – Full screen mode viewing – On screen or in picture camera control dialog – Window snap function – Addition of multiple external monitors – JPEG snapshot overview of all connected devices			
Scan network	Autoscan function over the complete network – Activation of devices by drag & drop into the tree – Remote upload of devices via LAN/WAN – Scan result copy to a clipboard by mouse click			
Site map	Build in site map editor – Definition of background graphics (bitmaps) – User definable symbols with programmable functions e.g. Hyperlinks – Placing of fully scalable software monitors – Support of external hardware monitors – Automatic camera activation on alarm			
Configuration	Definition of user groups and user rights – Setting of device properties – Setting of device COMs for remote camera control – Programming of preset camera sequences			
Trigger and Alarm	Creation of logical triggers – Scheduler with definable time spans – Alarm stag log saving – Programming of different alarm triggered jobs – Integrated alarm testing button – Action plans for alarm handling integrable			

Product description			
Description	Network Video Recording System for up to 16 Cameras	Network Video Recording System for up to 32 Cameras	Network Video Recording System for up to 64 Cameras
Type	VIMAS NVR 16	VIMAS NVR 32	VIMAS NVR 64
Order No.	943 855 – 001	943 856 – 001	943 857 – 001
Technical data			
Set up	Centralized set up from each authorised PC – Access via VIMAS or integrated web server – Determination of storage options for each camera separately		
Storage media	All storage media possible (e.g. hard disk, tape drives) – Depending on operating system		
Storage mode	Linear mode – Ring mode (period or capacity based)		
Activation	Continuous – Scheduled – Alarm triggered		
Recording configuration	Camera name assignment – Bandwidth limit – Frame rate – Video quality		
Recording content	Video data – Audio data – Transparent data – Alarm and event log		
Authentication	Watermarking		
Search parameters	Time, Date and Event – Camera name assignment – User notes		
Playback	Playback via VIMAS over any IP networks (LAN/WAN) – Simultaneous recording, playback and back up – Sophisticated playback features		



Knowing exactly what is happening and where:  
*With the complete Hirschmann monitoring package, you can optimally monitor traffic roads and tunnels – and when in doubt, you have an irrefutable first-hand witness.*

A camera never rests:  
*We have recently learned that there can be no compromise in vigilance at airports.*

### Applications

Safety is no longer a luxury, but a basic necessity. Many look to security companies for solutions, but people seldom think of technology. The truth is, humans make mistakes, while a monitoring system remains completely unaffected by external influences. That is why, when viewed objectively, there is really no better protection for industrial premises, production installations, airports or stations, sporting events or other places

where large number of people come together in confined spaces, or where manufacturing processes have to be monitored and documented. With up to 16 location plan-based simultaneous live images, the Video Management System VIMAS keeps its eyes and ears open for you. In comparison, even the best bodyguard looks a little dated.



## Automation and Network Solutions

### Germany

Hirschmann Electronics GmbH & Co. KG  
Automation and Network Solutions  
Stuttgarter Straße 45-51  
D-72654 Neckartenzlingen  
Postfach 1649  
D-72606 Nürtingen  
Tel. +49-71 27-14-14 80  
Fax +49-71 27-14-14 95/-14 96  
E-mail: [ans-hi-line@hirschmann.de](mailto:ans-hi-line@hirschmann.de)  
<http://www.hirschmann.com>

### China

Hirschmann Electronics  
Pte Ltd Shanghai Office  
Room 828, Summit Center  
1088 West Yan An Road  
Shanghai 200052  
P.R. China  
Tel. +86-21-62 07-66 37  
Fax +86-21-62 07-68 37  
E-mail: [info@hirschmann.sh.cn](mailto:info@hirschmann.sh.cn)

### Switzerland

Hirschmann Electronics GmbH & Co. KG,  
Neckartenzlingen  
Zweigniederlassung Uster  
Seestrasse 16  
CH-8610 Uster  
Tel. +41-44-9 05 82 82  
Fax +41-44-9 05 82 89  
E-mail: [ans\\_ch@hirschmann.ch](mailto:ans_ch@hirschmann.ch)

### France

Hirschmann Electronics S.A.S.  
2, rue des Charpentiers  
F-95330 Domont  
Tel. +33-1-39 35 01 00  
Fax +33-1-39 35 01 02  
E-mail: [ans@hirschmann.fr](mailto:ans@hirschmann.fr)

### UK

Hirschmann Electronics Ltd.  
4303 Waterside Centre  
Solihull Parkway  
Birmingham Business Park  
Birmingham  
West Midlands  
B37 7YN  
Tel. +44-1 21-3 29-50 00  
Fax +44-1 21-3 29-50 01  
E-mail: [enquiry@hirschmann.co.uk](mailto:enquiry@hirschmann.co.uk)

### Netherlands

Hirschmann Electronics B.V.  
Pampuslaan 170  
1382 JS WEESP  
Postbus 92  
NL-1380 AB Weesp  
Tel. +31-2 94-4 62-5 91  
Fax +31-2 94-4 62-5 54  
E-mail: [ans@hirschmann.nl](mailto:ans@hirschmann.nl)

### Spain

Hirschmann Electronics S.A.  
Calle Trespaderne, 29  
Edificio Barajas I, 2ª Planta  
E-28042 Madrid  
Tel. +34-91-7 46 17 30  
Fax +34-91-7 46 17 35  
E-mail: [hes@hirschmann.es](mailto:hes@hirschmann.es)

### Hungary

Hirschmann Electronics Kft.  
Rokolya u. 1-13  
H-1131 Budapest  
Tel. +36-1-3 49 41 99  
Fax +36-1-3 29 84 53  
E-mail: [hirschmann.budapest@axelero.hu](mailto:hirschmann.budapest@axelero.hu)

### USA

Hirschmann Electronics Inc.  
20440 Century Boulevard, Suite 150  
Germantown, MD 20874  
Tel. +1-2 40 6 86 23 00  
Fax +1-2 40 6 86 35 89  
E-mail: [ans@hirschmann-usa.com](mailto:ans@hirschmann-usa.com)

### Singapore

Hirschmann Electronics Pte. Ltd.  
2 International Business Park #11-02/03  
The Strategy Singapore 609930  
Tel. +65-63 16 77 97  
Fax +65-63 16 79 77  
E-mail: [hirschmann.svi@pacific.net.sg](mailto:hirschmann.svi@pacific.net.sg)

For all other countries please dial Tel. +49-71 27-14-16 20  
Contact address see Hirschmann Germany.