

It's so easy **iGuard®**



iGuard® 2.4

Manufacture your own digital video recorder.
We will supply you with the necessary components.

With distinct advantages for installers, dealers and OEMs.

iGuard®. More flexibility than ever before!

Individuality through modularity!

PRICELESS IN MEETING CUSTOMER DEMANDS – TOTALLY WITHOUT RESTRICTIONS. WITH ITS CONCEPT AS KIT SOLUTION, iGUARD IS DIFFERENT EXCEPTIONALLY MODULAR AND ECONOMICAL. USER FRIENDLY THANKS TO THE INTUITIVE, MULTI-STAGE USER INTERFACE AND UNMISTAKABLE THANKS TO ITS CUSTOMISATION POSSIBILITIES. WHETHER INSTALLER, DEALER OR OEM – WE HELP YOU TO INTEGRATE THIS ADDED VALUE INTO YOUR OWN SYSTEM.

Knowing how! In addition to our products, you will be provided with advice and training. Get qualified as OEM customer and gain all the advantages in a highly competitive market. Got any ideas of your own? Talk to us. If it's technically possible – we can do it.



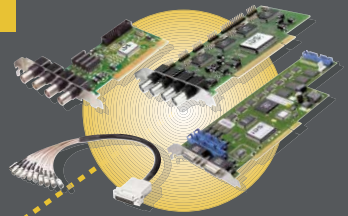
iGuard SOFTWARE

After the installation, your PC is turned into a digital video recorder with full TRIPLEX functionality: simultaneous recording, playback and live images. Direct on the system or from a remote station. Analysis of recordings is made even easier by the integrated iSearch system. Functions such as video sensor systems, camera control, time control, audio recording, e-mail and SMS support round off the product.

iGuard REMOTEVIEW

Free Remote View Software for remote access by LAN or ISDN. And the best: You can install and use it licence free and therefore free of charge as often as you like locally or within networks!

Your digital video recorder

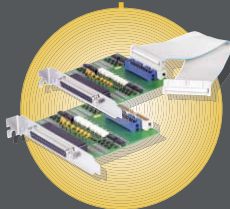


iGuard HARDWARE

iGuard supports several video cards – from 4 channel to 32 channel frame grabbers – in order to meet demands while remaining as flexible and cost efficient as possible. Later extensions to the system with further camera inputs are no problem and can be achieved without any great expenditure. The use of optocoupler pcb's also makes it possible to control external sensor systems. The extension enables you to operate up to 24 alarm inputs and up to 8 digital control outputs.

DIGITAL INPUTS AND OUTPUTS

iGuard supports external alarm inputs. The optional optocoupler board is necessary to switch 24 V levels. With this expansion board you are able to operate up to 24 alarm inputs and up to 8 digital outputs.



WHAT YOU CAN EXPECT FROM iGUARD!

The excellent quality of the components and iGuard software goes without saying – as does its outstanding stability. From the economical version to 100 frames per sec. or 32 cameras simultaneously, we are able to offer you maximum flexibility and performance. They determine the performance capability of your video recorder or adapt it to suit your customer's requirements. Together with our customers, we pursue a mutual and worthwhile objective: lowest possible service costs in this sector. Only in this way are able together to secure above average growth in the growing market of security systems.

All the highlights at a glance:



Motion detection inside sensitive areas

INTEGRATED VIDEO SENSOR SYSTEM

Each camera can be turned into a motion detector at the click of a mouse. Special filters for use outdoors reduce the possibility of false alarms to a minimum. The volume of data from recording can also be limited by only saving motion images. Pre-alarms and run-ons can also be configured individually per camera.

With the help of simple drawing tools, motion-sensitive areas can be defined very rapidly for analysis or excluded from analysis.

DISPLAY MODE "Plug&Play"

Plug&Play with iGuard means: Connect cameras, start recorder ... and recording is already taking place in a basic configuration. Immediately after first start by iGuard, all connected cameras are sought and displayed automatically.

A configuration file is generated automatically



2x2 split display mode

iGuard operates right from the start in display mode. The system shows all camera images in various split displays up to a 32-way split. Zooming of individual camera frames and their display on analog monitors are possible. **Dome cameras** and **pan-tilt heads** can be controlled using a graphic control panel as well as the keyboard - and, of course, by remote control as well.

The dome cameras can be run to stored positions in a set time rhythm in automatic mode. Name manufacturers such as Panasonic, Pelco, Samsung and Sony are supported.

The list of supported cameras is constantly being increased. The latest information on this can be found on the Internet. Stored reference images document the condition of the system upon delivery. All main operation information on the cameras, alarms and system status are displayed clearly on the interface.

Control output operation and status display are also carried out direct on the operator interface.



4x4 split display mode

The effect of the settings for sensitivity and object size on the behaviour of the video sensor is displayed visually for easier operation. An integrated time control makes it possible to differentiate between day and night operation of the video sensor.



A logbook also records all relevant information from the operation of the system.

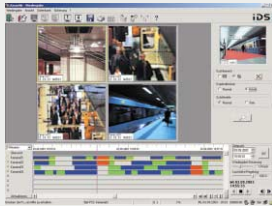


Dome-Camera supply

PLAYBACK AND REMOTE CONTROL

The video and audio recordings are evaluated in playback. A timeline dialog (graphic time axis) shows all activities for each camera and accumulated alarms in various colour markings at a glance. If there are also audio recordings for a camera, they will be marked in colour on a parallel audio track. A click with the mouse on the markings takes you straight to the respective events.

With the help of the unique **IDS iSearch technology**, the search for movements within recordings in selected areas of a camera frame becomes simple child's play.



Replay

Naturally, the recordings can also be traced comfortably using the search by date and time thanks to an exceptionally fast database. The output of individual frames to a printer or file as well as the export of complete AVI video sequences for saving to CD, DVD or interchangeable disc goes without saying, as does unrestricted zooming within the stored video.

FULL TRIPLEX OPERATION

And so you don't lose sight of what's going on, you can even overlay live images in separate windows during playback.

iGUARD IN NETWORK (LAN AND ISDN)

iGuard has multi-client capability - that means that up to 10 clients (9 LAN and 1 ISDN connection) can access the iGuard Server simultaneously with iGuard RemoteView. They can track each connected camera, operate dome or pan-tilt cameras, control outputs and call up all recorded video sequences, all by remote control - and if you want, from anywhere in the world. A configurable band width restriction between 20 kBit/s and 100 MBit/s prevents the network from being excessively burdened. The operation of iGuard behind a firewall is also possible by a selective release of ports.

VIRTUAL WATCHMAN TOUR

A virtual watchman establishes connections to various iGuard recording systems automatically by time control in a pre-set order and shows the required cameras. After an optional set time, the connection is interrupted and the next connection is set up.

iGUARD REMOTEVIEW

iGuard RemoteView is licence-free and included in the scope of delivery. It can be installed on as many computers as required within a network. iGuard RemoteView provides you with the following functions: observation of live cameras, access to stored video recordings, remote configuration, remote control of cameras, iGuard RemoteView is also called in to carry out database evaluation of an interchangeable disc on an analysis computer.

CONFIGURATION MODE "It's so easy"

iGuard is set up by just a few dialogs: System and user settings, configuration of the cameras, alarms and control outputs as well as the stipulation of monitoring tasks. An individual stipulation of picture quality and recording rate allows an effective distribution of the available capacity. And particularly important in practice: the possibility of storing reference frames. This means that disputable service or sabotage cases are rapidly clarified!

E-MAIL and SMS

If required, e-mail and SMS functions transfer incoming alarms to remote computers or mobile telephones. As an option, the servers can also be connected to the client according to event with automatic transmission per alarm camera. Naturally, all relevant settings can also be configured by remote control by dial-in per LAN or ISDN. This means that burdensome and cost-intensive on-site service is at last a thing of the past.

USER RIGHTS ON CHIP-CARD

iGuard 2.40 supports chip-card scanners of market leader Towitoko for storage of access data and user rights. The operation of iGuard in connection with chip-cards replaces the input of user name and password. Inserting one's own chip-card automatically initiates a login in iGuard with the stored rights. Naturally, combined operation chip-card and standard login are also possible.

AND WHAT'S MORE!

Time and cost-intensive training is not necessary with iGuard. This is guaranteed by the user friendly software design which has been created specifically for teach-in.

Free-of charge client licences for remote access are included in the "It's so easy" package.

Perfect for everyone

Installers



Easy to install!

Easy installation, easy operation and easy maintenance. We have been able to fulfil this claim for a long-time with our Plug & Play function and our well known high level of reliability. This saves your clients money – and your nerves. The new remote configuration keeps you completely from stressful on-site servicing.

And by the way: If you want to market your own digital video recorder – with special performance features that are

only available from this recorder – get in contact with us. We can supply you with the components for “your” own market presentation.

It's so easy! With iGuard.

Installers

Dealers



Easy to distribute!

Attractive products at attractive prices? Our growth rates are proof that these are not just meaningless words. Schedule effectiveness, reliable order handling, maximum product and service quality undoubtedly play a vital role.

Just the same as our distribution and training service. We assist your marketing by providing all documents right round the clock via the Internet and keep your

sales team up to date. Regular training and absolutely reliable support give you the necessary security. If you need any further assistance: Get in contact with us. We are ready to help you!

It's so easy! With intermedia-x.

Dealers

OEM



Best you can get!

Close partnerships based on trust, are one of the most important values for us in the mutual conquest of shares in a highly competitive market. That is why we offer you the closest possible co-operation with our development team if that is what you need! One of our strengths is that we are able to realise innovative ideas rapidly.

Put us to the test! You will be amazed by our non-bureaucratic organisation.

Your competitive strengths are also our benefit. That is why appropriate terms and “private labelling” are naturally available from us. Ask about our other benefits! You'll be surprised at what we are capable of.

It's so easy! With the right partner.

OEM

iGuard® AT A GLANCE:

- Video recording of up to 32 cameras simultaneously
- Single channel audio recording
- Up to 100 frames per sec, full triplex
- PTZ control (Panasonic, Pelco, Samsung, Sony, ...)
- iSearch – rapid scene search in stored video sequences
- Time-Line display in playback operation
- Integrated video sensor system
- Remote control and remote configuration via LAN and ISDN
- Multi-Client, band width restriction for LAN access



All of the PC kits listed below contain: iGuard, RemoteView, Frame Grabber, documentation

ORDER REFERENCES

Description: Long term and/or event recording with integrated motion detection, triplex functionality, multi-channel playback including RemoteView software for remote access via LAN or ISDN and Player.

DVR kits for production of recorders without analog video output

- SL.0010.4.02400.00 4 channel, 25 frames with 1 camera; 12,5 frames with up to 4 cameras
- SL.0010.4.02500.00 4 channel, 100 frames with 4 cameras
- SL.0010.4.02600.00 8 channel, 50 frames with 2 cameras; 24 frames with up to 8 cameras
- SL.0010.4.02700.00 12 channel, 75 frames with 3 cameras; 36 frames with up to 12 cameras
- SL.0010.4.02800.00 16 channel, 100 frames with 4 cameras; 48 frames with up to 16 cameras

DVR kits for production of recorders with analog video output

- SL.0010.4.02900.00 16 channel, 50 frames
- SL.0010.4.03000.00 20 channel, 50 frames
- SL.0010.4.03100.00 24 channel, 50 frames
- SL.0010.4.03200.00 28 channel, 50 frames
- SL.0010.4.03300.00 32 channel, 50 frames

I/O-Interface Boards

- AA.0010.4.01620.00 I/O interface for recorders without analog video outputs, 4 alarm inputs, 8 digital inputs, 8 digital outputs, floating contacts.
- AA.0010.4.01730.00 I/O interface for recorders with analog video outputs, 16 alarm inputs, 8 digital inputs, 8 digital outputs, floating contacts.

Hardware-Watchdog

- AG.0075.4.00800.00 Hardware-watchdog card for automatic system boot in the event of an operating system or program crash.

Video connection cable and slot extension for recorders with analog video outputs.

- AD.0040.4.01501.00 Break out cable, inputs 1-8, outputs 1-2, DSUB 26 pin on 10 x BNC, length approx. 40 cm.
- AD.0040.4.01502.00 Break out cable, inputs 9-16, DSUB 26-pin on 8 x BNC, length approx. 40 cm.
- AA.0010.4.01910.00 Slot extension, inputs 17-32, 2x DSUB 26-pin including band cable.
- AD.0040.4.01503.00 Break out cable, inputs 17-24, DSUB 26-pin on 8 x BNC, length approx. 40 cm.
- AD.0040.4.01504.00 Break out cable, inputs 25-32, DSUB 26-pin on 8 x BNC, length approx. 40 cm.

SYSTEM REQUIREMENTS

- Celeron 1,5 GHz, Pentium III, 1 GHz, 256 MB RAM / FALCON-Family: Pentium IV, 256 MB RAM
- 1. HDD 20 GByte for OS and application, 2. HDD at least 40 GB for video data (ATA100)
- AGP-graphic board, 16 MB, resolution 1024 x 768
- Windows 2000/Windows XP
- Microsoft Internet Explorer 4.02 (version 5.0 included in this package)