# Direct IP™

Next generation HD surveillance that simply works

## IDIS

Excellence in Surveillance

# Next generation HD surveillance
## that simply works

Time to move forward.
Time to meet next generation technology.
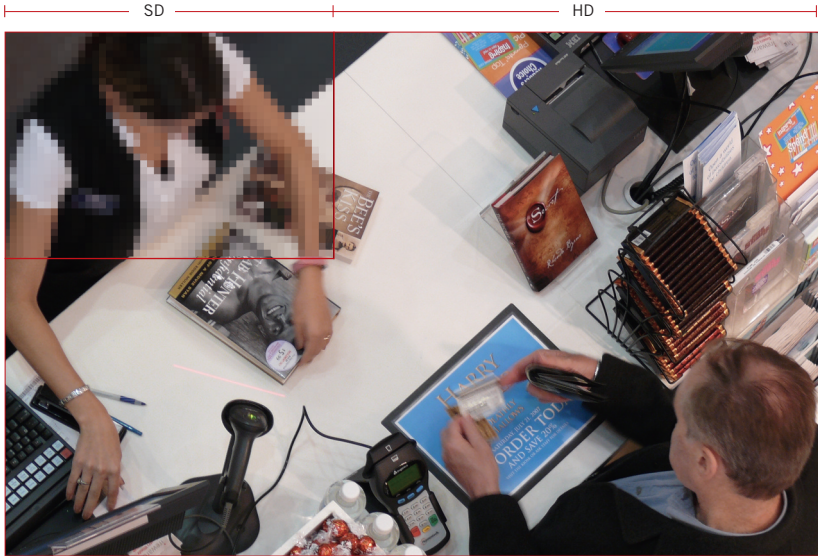Time to enjoy complete HD surveillance solutions.

That's simply what we deliver.

Direct IP

# Increasing demand for
# HD surveillance

In the past there has been market reluctance to adapt to IP-based surveillance systems, often because they are perceived as being more complicated than conventional analogue solutions.

The analogue surveillance market has been developed to embrace digital video technology over a number of years primarily by using analogue cameras, supported by digital video recorders (DVRs). However, the demand for HD resolution continues to grow and is quickly becoming the norm for many security conscious businesses.



IP based security systems provide higher image quality than DVRs, as a network video recorder (NVR) does not need to compress incoming video sources (as this is supplied by the cameras). However this function alone will not fulfill the end users' expectation.

Challenges of affordability, performance, integration and compatibility are inherent to the market place, with many traditional IP based security systems being very complex to install, especially when communicating with multiple sensors, audio devices and ATM/POS devices.

## DirectIP™ relieves those complexities

# The simple and the most complete
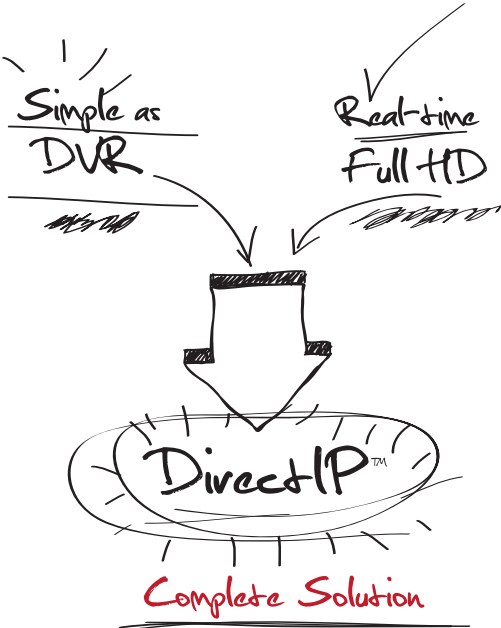# HD surveillance solution

**Direct IP™**

IDIS is a company that has been primarily responsible for the innovation of DVRs since 1997 and now IDIS is proud to introduce the next generation of HD surveillance solutions called DirectIP™ solutions. Unique to the industry, DirectIP™ is the easiest and the most complete HD surveillance solution available to the security market.

The primary goal of DirectIP™ technology is to provide customers with an HD surveillance solution which is easy to use, simple to install and quick to configure through 'plug-and-play' capability. DirectIP™ consists of IP cameras, NVRs and VMS software, all designed to be optimised within a network.

DirectIP™ allows real-time monitoring without any degradation of image quality whilst simultaneously recording within networks. DirectIP™ is exclusive to the industry and ensures genuine compatibility, integration and functionality as a complete one stop shop solution.

Simple as DVR

Real-time Full HD

DirectIP™

Complete Solution

# The core benefits of
# DirectIP™ at a glance

## 1 Easy to install and use

DirectIP™ solutions feature a 'plug and play' operation with less cabling. Once installed, operation is intuitive and user friendly.

## 2 High performance

DirectIP™ solutions enable real-time live monitoring and simultaneous recording in full HD resolution.

## 3 Compatibility and integration

DirectIP™ solutions are compatible with legacy security systems, external devices and third party protocols.

## 4 Network operability

DirectIP™ solutions enable complete packages to work efficiently on dedicated or shared networks with rich connectivity.

## 5 Cost effective

Highly cost effective and affordable DirectIP™ solutions are available without license or annual maintenance fees.

# HD surveillance solution
# made easier

Most NVR systems do not support automatic device searching and service connection so they remain a burden to users requiring manual initialisation even once appropriate network settings are completed. This complexity is further compounded with multiple connections of cameras, recorders, integrated audio and alarm devices and often results in installation difficulties.

## Plug and Play



At IDIS, our team set out to develop a user-friendly network security system to enable easy installation, implementation and to offer straightforward operation. DirectIP™ is the easy and convenient way of using network security systems through the 'plug-and-play' functionality including the detection of automatic network settings and commonality with devices and systems. It permits simple configuration/installation and allows instant streaming video once connected while minimising the complexity of multiple connections, cameras, recorders and audio/alarms.

## Easy installation and configuration

- Every component within a DirectIP™ solution is designed to maximise simplicity and compatibility so that users can achieve multi-device connectivity without the need for expert IT knowledge or engagement of time consuming and expensive experts.
- In allowing a cascadable and hierarchical connection structure between cameras and NVRs, users can select the easiest and most cost effective way of cabling for their specific application. DirectIP™ solutions inherently use less cabling and leverage PoE so that PoE cameras and devices do not need external power cables.
- Intuitive control interface; a user-friendly interface environment that is reassuringly similar to that of DVRs.
- Users can control each IP camera through the NVR without extra configuration.

# High Performance from
# DirectIP™

DirectIP™ NVRs deliver industry and market leading monitoring and recording performance. Users can control the quality and performance of video recording independent of live monitoring activity.

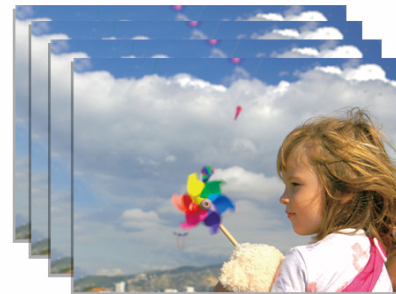## Real time live monitoring and recording with Full HD resolution

**HD**

DirectIP™ network solutions generate excellent network throughput, which can subsequently maintain stable HD quality video regardless of external network traffic. NVRs can support real-time surveillance and deliver enhanced features such as smart search and event management.

IDIS DirectIP™ solutions can record in HD (or higher) from multiple mega pixel cameras direct to the NVR in real-time without degradation of quality, access or system stability.

## Multiple independent video streams

DirectIP™ enables independent live monitoring, recording and remote monitoring. Multiple independent video streams from cameras to NVRs allow local surveillance and recording, with added smart features to control resolution, quality and bit rate independently.

**PENTAPLEX**

## Pentaplex processing

IDIS DirectIP™ NVRs can readily perform five operational processes simultaneously:

- Live-view
- Record
- Playback
- Remote access
- Backup of recorded audio/video.

# Compatibility
# without conflict

## Compatibility with legacy systems and external devices

As the IP-based market has grown, so has the diversity of communication methodologies. Today, IP-based devices have independent protocols proprietary to the manufacturer. These differing protocols result in compatibility issues when integrating with external devices such as alarms, audio, ATM/POS, storage devices, video sources and recorders. Designed as a replacement of DVR, IDIS DirectIP™ NVRs are compatible with those legacy devices.

## Compatibility with third party devices

DirectIP™ solutions provide unrivalled performance and convenience through the highly optimised design of specifications and communication protocols of each component. At IDIS, we understand that in some situations users may prefer third party cameras and devices to work with DirectIP™ solutions even if performance and functions are limited. IDIS DirectIP™ solutions support models of Axis, Panasonic and ONVIF cameras and provide compatibility with conventional IP devices like ethernet switches.

**ONVIF**

# Flexibility in building fit for purpose
# network security systems

## Complete solutions suitable for a range of applications

DirectIP™ delivers complete network surveillance solutions that can be developed to meet the demands of user applications from a single location to more complex multi-site locations.

Our design team works alongside channel partners, specifiers and installers to ensure the very best design taking into consideration factors such as existing third party systems and cabling infrastructures. This is all to ensure that DirectIP™ solutions deliver performance without compromise.

**Network Video Recorders**

DR-2100 Series    DR-4100 Series    DR-6100 Series

**Network IP Cameras**

Box type (DC-B Series)    Zoom type (DC-Z Series)    Dome type (DC-D Series)    Speed dome type (DC-S Series)    Bullet type (DC-T Series)

**Video Management Software**

IDIS Solution Suite Expert    IDIS Center    IDIS Mobile    IDIS Web

**Accessories**

DirectIP™ Gigabit PoE Switch    Network Keyboard    eSATA Storage    Ethernet over Coax Transceiver    Optical Media Converter    PoE Injector    SFP Module

# DirectIP™
# delivers affordability

DirectIP™ is inexpensive with no hidden costs; there are no additional license fees or annual update fees compared with competitive solutions. Installation fees are also lower compared with DVR or HD-SDI alternatives that require high-cost cabling.

This is especially the case for multi-levelled building installations, for example DirectIP™ cameras and NVRs only require the minimum of communication connectivity. As DirectIP™ NVRs are easy to use and do not require specialised knowledge the associated training fees are subsequently lower. IDIS products are recognised for stability and quality resulting in hassle-free maintenance and lower maintenance fees.

*lower installation fees*

*Direct IP™ One-stop-shop solution*

*lower maintenance fees*

*lower training fees*

*no license & annual update fees*

# IDIS

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