



# Introducing IDS

*A versatile IP-based display and control system*



Developed for the stringent demands of the broadcast industry, IDS integrates seamlessly with all essential equipment, providing a stable, centralised control environment whilst displaying critical and dynamic content throughout your organisation.

Typical applications include displaying NTP synchronised clocks, broadcast status, station alerts, branded and mixed media content, serial interfacing with control devices, GPIO expansion, tally interfacing, dynamic noise level monitoring, control of remote IR devices, DMX lighting and integrating with up/down timers.

All of this and more over Ethernet.



*IDS received a Broadcast Engineering Pick Hit Award for Innovative Technology*



# What exactly is IDS?

IDS is a versatile IP-based display and control system consisting of configuration software and dedicated hardware devices.

It uses your Ethernet LAN/WAN to synchronise, monitor and control station equipment and to manage and distribute media content, delivering dynamic information via custom-designed screens to networked display devices throughout your organisation.

At its core, IDS provides four key functions:



## Clocks and timing

Perhaps the most important function in broadcast environments, IDS synchronises all the devices on your network using NTP/LTC. Clocks, multi-time zones, up/down timers, offset time recording and all your tally interfaces can be handled with complete peace of mind.



## Control and automation

From simple to really complex, IDS always adds value. Control devices in remote locations, configure DMX lighting, monitor noise levels and extend GPIO. Serial interfacing with system devices, customer defined integration and centralised distribution add even more flexibility.



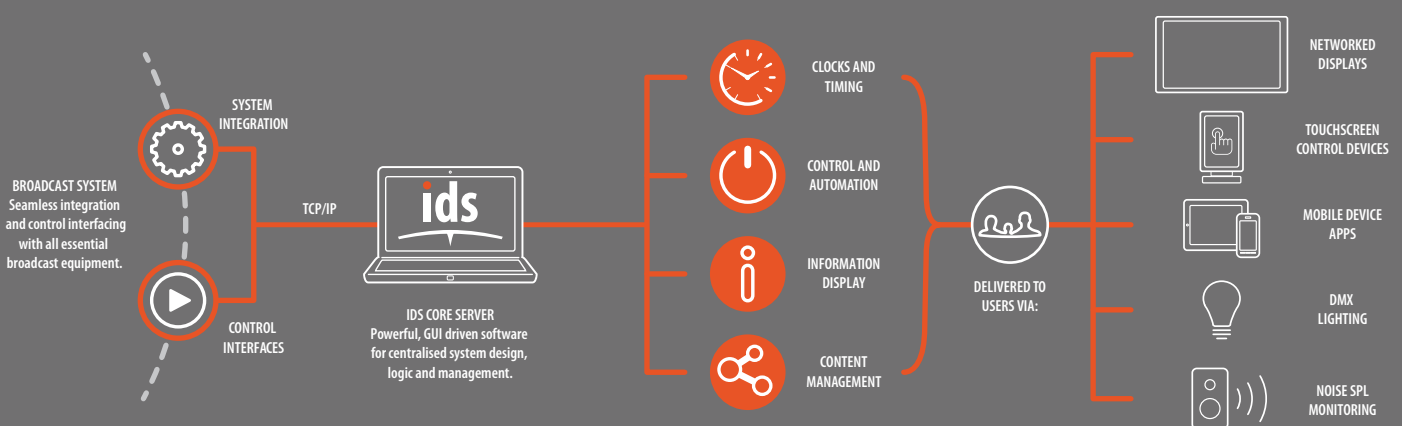
## Information display

IDS delivers dynamic information based on your own screen designs to any connected display device. Clocks, cue lamps, scrolling text, control interfaces, video streams, URLs, RSS feeds, signage and branded media are just part of the picture.



## Content management

Information is becoming increasingly complex. From live video streaming and media playback to messaging, RSS feeds and social media integration, IDS lets you manage and distribute digital content to IDS display devices throughout your organisation.





## IDS Core

At the heart of IDS is our configuration software, IDS Core. Designed in-house by our team of dedicated engineers and based a Linux kernel, it provides a stable environment on any server, enabling you to work locally and remotely.



### IDS Screen Designer

IDS Screen Designer's intuitive drag-and-drop interface lets you create and save any number of informative display layouts. Customise clocks and cue lights or create your own control interfaces. Choose from a rich array of design elements, including video feeds, web pages and countdown timers. Create a library of your own image files and logos.

### IDS Logic Builder

IDS Logic Builder takes your screen designs and lets you map their virtual inputs and outputs to real GPI signals, video feeds and time signals, by routing them to physical ports on IDS hardware and other third-party devices. The built-in logic functions, signal manipulation elements and I/O controls provide endless possibilities for logic maps to drive your displays.

### IDS Connected Devices

IDS Connected Devices completes the circuit, allowing you to assign logic maps to the IDS Remoras controlling your display devices and interface with third-party devices and other IDS accessories. The beauty of IDS lies in its centralised management – IDS Core controls your entire IDS network, every connected device and the layout of every display.

### Your finished screen display

Time-critical broadcast information, control interfaces and mixed media content are delivered to networked displays and IDS Touchscreen control devices, while our cue lamps, noise level monitors and DMX controllers provide further visual feedback throughout your organisation.

***Wherever there's an Ethernet connection, you can tap into the power of IDS.***

*"We're still tweaking parts of the system but that's the beauty of it – it's easy to re-configure and add functions as new ideas crop up."*

**Terry Savage, BBC World Service.**



# IDS Hardware

IDS devices integrate nicely with your existing infrastructure, communicating over Ethernet and synchronising using NTP/LTC.

## IDS Server (S)



Available as a standard, single PSU unit, or as a Dell PowerEdge\* server fitted with RAID 1 HDD and dual hot-plug redundant PSUs. With IDS Core software pre-installed, these 1RU (19") units provide a centralised control and monitoring platform for your IDS system.

## IDS SQuid (SQ3)



A versatile 1RU I/O expansion unit. With 32 opto-isolated inputs and 32 isolated relay outputs which can be configured individually using IDS Core, dual redundant hot-plug PSUs, Ethernet and LTC/Alarm connections, it is the perfect resilient link between IDS and the outside world.

## IDS Remora (R3)



A compact powerful display processor, capable of delivering HD 720P video. It can be locked to NTP to deliver time-critical content to display devices over your IDS network and, with silent passive cooling, it is perfect for driving HDMI/DVI displays in noise-sensitive environments.

## IDS Touchscreen (TS3)



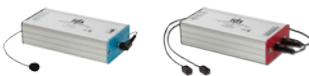
Provides a handy user interface to control remote equipment and distribute media content over your IDS network. Its powerful built-in processor delivers all the broadcast critical information and alerts you need to keep your operations running smoothly.

## IDS Lamp



An elegant, six-colour LED system, available as a free-standing or wall-mounted unit. With either a single or dual element, it can be used to indicate broadcast status and other warnings.

## IDS Accessories



Extend IDS functions to include noise level monitoring, infra-red device control, network time synchronisation, dual time code channels, GPIO expansion and DMX lighting control.

\* Other hardware platforms are available.

*For more information visit  
[www.ids-products.co.uk](http://www.ids-products.co.uk)*