

Data Sheet

EyeSDN USB-A2

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Description / Features

The EyeSDN USB-A2 is a call recording device for two analogue phone lines or two audio signals. The lines are passively tapped with a high impedance circuit. The device performs DC voltage measurements to detect line states like on-hook, off-hook or ringing. The audio data and voltage information is transferred to the PC via a USB cable, which is also used to power the device. Software on the PC uses the line voltage information and audio samples to detect active calls. The device can obtain caller ID information using DTMF or V.23 modem data and decodes DTMF or pulse dialing. The presence of a call can be detected by either analysing line voltage variations or by identifying speech activity.

The EyeSDN USB-A2 has two groups of multi-colour status LEDs which indicate

- device activity,
- the line power state,
- the line ring state,
- on-hook/off-hook state,
- and the presence of caller ID.

The small form factor and rugged enclosure make EyeSDN USB-A2 suitable for stationary and mobile use.

Device Package Contents

- EyeSDN USB-A2 call recording device
- CD-ROM with call recording software and user manual
- Printed Quickstart Manual
- USB cable
- 2 analogue cables



Use Cases

Call Recording is important for a number of industries and service providers.

- Financial institutions need to provide proof for any orders placed or any contracts closed during a phone call.
- Professionals providing consulting services in legal matters or health care may be liable for miscounselling and a recording of the phone call could help to document the conversation.
- Call centres may need to demonstrate to their clients that the quality of their customer communication is indeed high.
- Operators of emergency phone numbers (police, fire brigade, ambulance) are legally required to record any emergency calls.
- Taxi operators or pizza delivery services may find it useful to document their calls for later reference.
- Phone system maintenance and installation personnel can use the device to find any faults quickly.

The legal requirements for call recording are different in each country. Please seek legal advice to implement call recording in a lawful way.

EyeSDN USB-A2

Technical Data

Dimensions	76 x 55 x 19 mm
Weight	64 g
Interfaces	2 analogue interfaces
Impedance	> 10 MΩ DC, > 10 kΩ AC
Connector	2x RJ11 Western Modular
Tests	power, caller-ID, on-/offhook, ring pulse
Caller ID	DTMF (before/after first ring), V.23 (before/after first ring)
Operation Modes	voice activated, public line, private line
USB	1.1 and 2.0 (full speed)
USB Socket	USB Type B
Power	< 90 mA
LEDs	4x red / green
Sampling Frequency	8000 Hz
Certificates	CE, RoHS, WEEE

Computer Requirements

Operating System	Windows® 2000, Windows® XP, Windows Server® 2003, Windows Vista®, Windows Server® 2008, Windows 7®, Windows Server® 2008 R2, Windows 8® (32 and 64 bit)
Disk Space (software)	30 MB (excluding .Net runtime)
Disk Space (call recordings)	60 ... 480 KB/minute per channel and call
Processor Clock	> 1500 MHz
USB	1 external USB port

Connection Diagramm



Further Information

- <http://www.innoventif.com>
- info@innoventif.com
- EyeSDN Release 4 Software Data Sheet

presented by:

