



ReDat

Recording

ReDat DVI2/DP2 Box

A special hardware device designed to support recording of data communication on DVI, DP and USB device interfaces (HIDs) and ambient microphones.



PRINCIPLE OF OPERATION

The captured signal on the hardware device is compressed and sent to the selected ReDat Recording Unit. In addition to the captured video signal, both types of devices can also record audio input from an ambient microphone and two USB devices, called HID channels.

HID channels monitor events such as: keystrokes on the keyboard, direction and intensity of movement, mouse clicks and scrolling, or touchscreen control.

Recordings from these devices can be used as addition to recordings from other technologies and help document and evaluate critical situations. The microphone recording mode is either permanent, or controlled by reaching an adjustable Voice Activity Level (VOX). Recording can be affected by combining the VOX level at the desired input and the directional characteristics of the microphone.

Condenser microphones with an XLR connector are used for recording.

In the event of a power failure from external adapters, power needed to maintain DVI or DP signal pass-through is provided by emergency power from the connected USB interface. So-called fail safe video bypass.

KEY FEATURES

- Non-intrusive recording
- Lossless compression
- NTP time synchronization
- Dual power supply
- Redundant LAN communication



DP2 Box



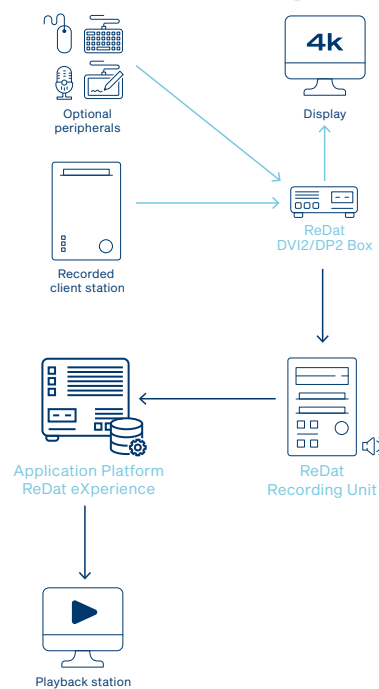
DVI2 Box



AREAS OF APPLICATION

- Dispatch consoles.
- Air traffic control consoles.
- Voice-controlled consoles.

	ReDat DP2 BOX	ReDat DVI2 BOX
Audio	A-law 128kbit/s (16kHz) XLR connector for microphone connection (48V phantom power)	
Network interface	2x RJ45 Ethernet 10/100/1000Mbit/s (IPv4/IPv6)	
Dimensions	(H x W x D) 42 x 165 x 160 mm / box height corresponds to 1U	
Video	4096x2160, 3840x2160, 2048x2160, 2048x2048, 2560x1600, 2560x1440, 1920x1200, 1920x1080, 1600x1200, 1280x1024. Processing 8 FPS at maximum resolution	2560x1600, 2048x2048. 7 FPS processing at maximum resolution
HID Inputs/Outputs	2x USB 2.0, A-B	
Power Supply	2x Un=12V, I _{max} <1.5A, P<19W	
Environment	Operating temperature: 0° to +40° C Storage temperature: -10° to +60° C	Operating temperature: 0° to +50° C Storage temperature: -10° to +60° C



ReDat Recording Systems provides a sophisticated system for recording voice, screen and other relevant data. The system automatically analyzes the data to make it available to system users in a clear and structured way.