

ReDat DVI/DP Box

“Hardware recorders for data communication using DVI-D, DP and USB (HID) interfaces and audio recordings from spatial microphones”

Non-intrusive device capturing video signals between the graphic's card and monitor connected via DisplayPort (DP) or DVI. The captured signal is compressed and sent to ReDat Recorder. If power source fails the input video signal is bypassed so the functionality of the device does not affect quality of the video on the screen. Additionally to video grabbing the device also records audio input (e.g. ambient microphone) and two HID devices (such as mouse, keyboard and touch screen). It is specially designed for solutions, where reliability and high availability is demanded.

KEY FEATURES

- Non-intrusive capturing
- Video bypass
- Completely passive
- Dual redundant LAN communications
- Dual redundant Power Supply
- NTP time synchronization supported
- True lossless compression
- Real time monitoring of any source



DVI Box



DP Box

ACCESSORIES

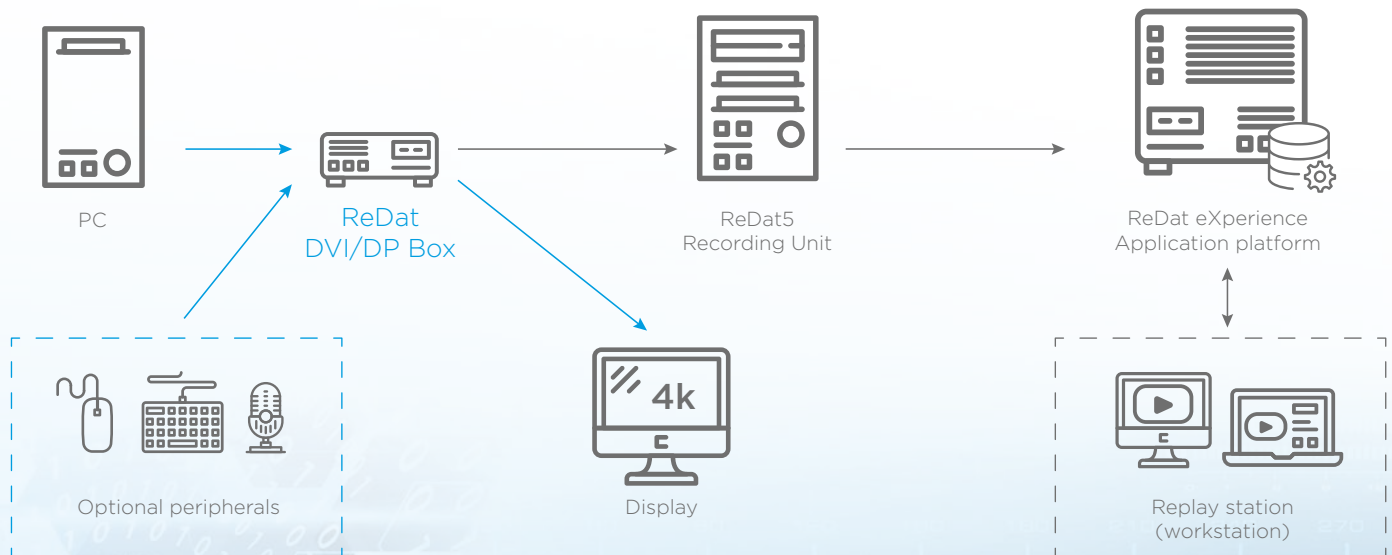
- DC Adapter: 12V 0,8A

APPLIANCES

- Dispatch Center Consoles
- Air Traffic Control Consoles
- Voice Control Consoles

TECHNICAL SPECIFICATIONS

	REDAT DP BOX	REDAT DVI BOX
Audio	Microphone input XLR (phantom power supply 48V), A-Law 128 (16 kHz)	Microphone input XLR (phantom power supply 48V), A-Law 128 (16 kHz)
Networking	2x RJ45, IPv4, IPv6	2x RJ45, IPv4, IPv6
Dimensions	W x H x D 89 x 165 x 180 mm, weight 1,5kg	W x H x D 89 x 165 x 180 mm, weight 1,5kg
Video	Display Port version: 1.2 Max resolution: 1280x1024, 1600x1200, 1920x1080, 1920x1200, 2560x1440, 2560x1600, 2048x2048, 2048x2160, 3840x2160, 4096x2160 Frames per second (for recording): up to 10 Captured Video Format: FLV	Max resolution: 2048x2048, 2048x2160 or 2560x1600 Process FPS max. 7Hz for max resolution
Inputs	Keyboard input USB Type A / output USB Type B Mouse input USB Type A / output USB Type B Touch screen input USB Type A / output USB Type B	2x USB, 1x mic XLR (phantom power supply 48V).
Power	Power Consumption: 19 W 2x 12V power input	External power supply (support of redundant pair of adapters). Un 12V, I _{max} < 0,8A In case of power supply failure, monitored interfaces DVI-D and USB ports are not affected (support „fail-safe bypass“)
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, a business division of RETIA, a.s., which 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.

RETIA, a.s. is a Czech company based in Pardubice, founded in 1993. It develops, manufactures and modernizes radars, command and control systems, UWB localization and communication systems and ReDat Recording Systems.