

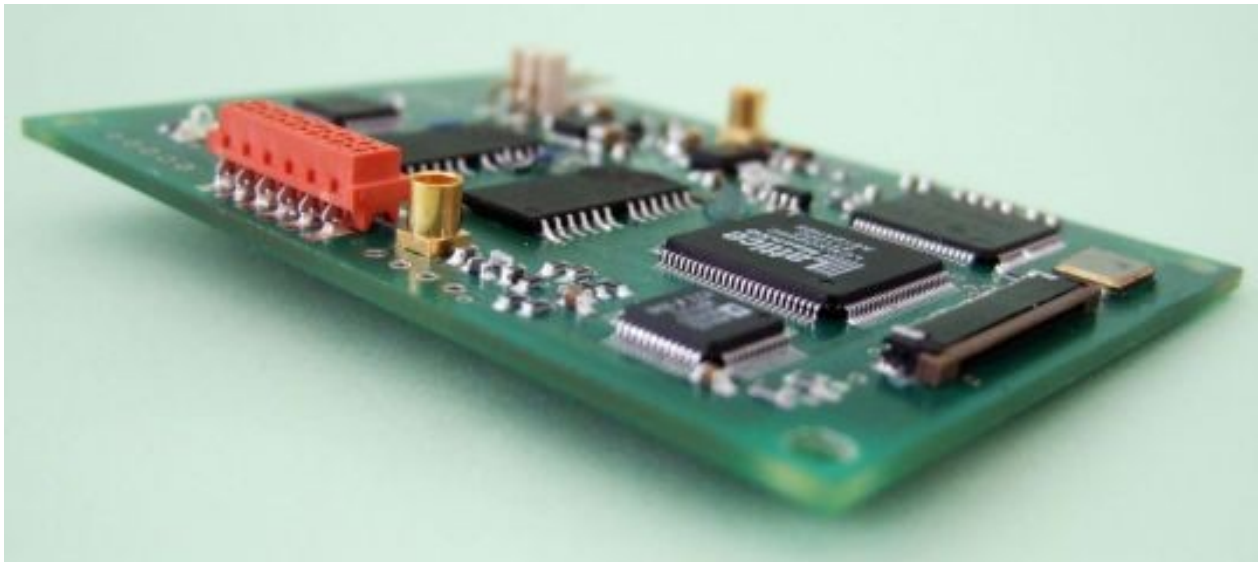
• AR3582 •

• Encoder/decoder PAL/RS232 “Virtual PAL Connection“ •

▲ Advanced Radio Telemetry

Encoder of PAL video snaps to serial data RS232 and decoder of serial data to PAL video signal, supporting transfer by low transfer rate to long distances, fully configurable by user.

- Encoder and decoder in one device
- Wide possibilities of setting picture as well as transfer properties
- Picture transfer via low transfer rate unit either
- Encapsulated or OEM variant
- Picture transfer to long distance
- Possibility of firmware update



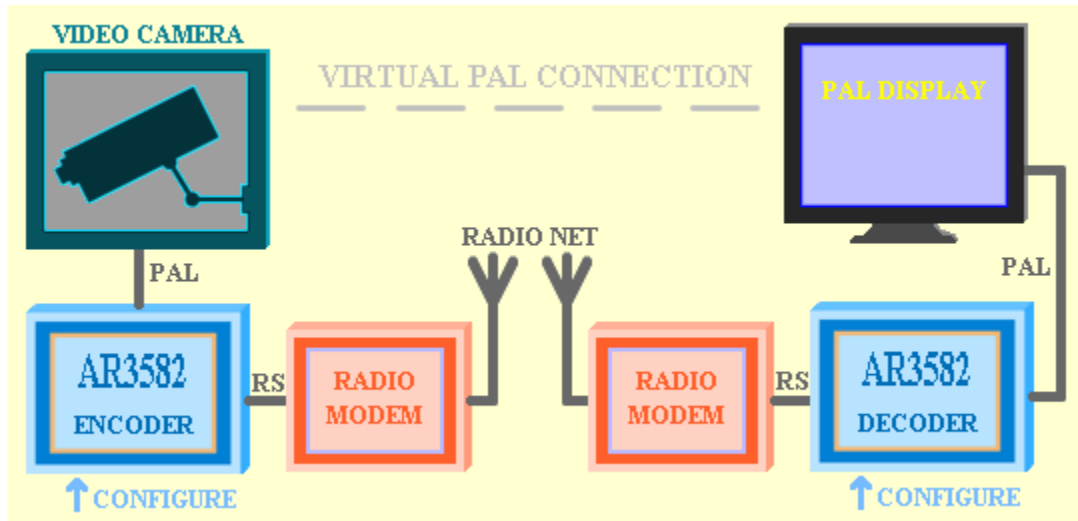
AR3582 is the encoder of snaps of a PAL video signal to serial data RS232, together with the decoder of these data to a PAL video signal. One universal device contains the both functional units what are required for a video snaps transfer by means of serial data via any transfer media and that's why it's created a virtual video cable there. A loss compression of a static picture is used for data building in the data transfer. The proprietary transfer protocol provides a transfer of encoded and protected data even via an environment with possible disturbances, for example via radios.



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The encoder/decoder is produced by **Advanced Radio Telemetry**, Ltd. Producer recommends using as the encoder or the decoder in the connection with a radio modem, to creation the picture snap transfer network (Virtual PAL Connection). The AR3582F labelled device is fully equipped encapsulated variant; AR3582OEM is open-frame variant suitable to building-in to equipments. All properties of the device are configurable by user at the most, by means of the full local configuration .



Specification review

- Operation mode: encoder or decoder
- Picture resolution: more possibilities, max 720 x 576 pixels
- View mode of PAL display: auto, full, zoom, 4in1
- Transfer speed: configurable from 300 to 57600 bit/s
- Connection kind: two-way or one-way
- Inputs and outputs: PAL video input, PAL video output, RS232
- Voltage: from 6 to 24 V, typically 12 V 200 mA
- Operation temperature: from -10 to 55 °C

Variants, local configuration, firmware update

The AR3582 device is available in two variants. The variant **AR3582F** is in the robust aluminous box and it's suitable to use it in difficult conditions. A local configuration of this variant uses control buttons what allow a motion in the **properties menu**, after a connection to the PAL display. The variant **AR3582OEM** is open-frame, i. e. PCB with connectors only and it's determined to building-in to other equipments. A local configuration of this variant uses the **control command set** via the serial line. The software **SimConfigurator** is downloadable for an user, a local configuration is very pleasant. This software supports the suitable configuration in that way it allows a simulation of a connection to the opposite encoder/decoder. There is an possibility to **update** AR3582 with the new firmware, it's needed to do it through the special programming cable and then restart, otherwise AR3582 won't operate correctly.

Dimensions, order information

Open-frame variant board dimensions are 80 x 56 x 14 mm and it's necessary to calculate a cables disposition. Encapsulated variant dimensions are 95 x 90 x 25 mm and the space for cables connection is delimited by the outline of the box. Having questions about product properties or about AR3582 usage, or asking for a technical support, refer to the product manager. Current information are published on the web pages <http://artbrno.cz>, what are operated by the producer company Advanced Radio Telemetry. Ordering AR3582 device, use codes from following the table to identity goods.

<i>Label</i>	<i>Variant</i>	<i>Identity code</i>
AR3582F	zapouzdřená varianta AR3582	00101.0012701
AR3582OEM	open-frame varianta AR3582	00101.0012702

Operating AR3582 it's needed to have the supply power, the serial data cable; either the video cable for connecting to a picture device. Consult an accessories availability with the vendor product manager.

Informace o provozu, odpovědnosti a autorských právech

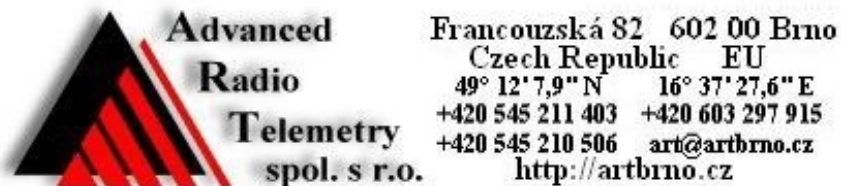
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V dokumentu použité názvy produktů, společností a úřadů mohou být ochrannými známkami nebo registrovanými známkami příslušných vlastníků.

Kodér/dekodér AR3582OEM má statut komponenty pro vývoj a implementaci do vyššího celku a nejedná se o finální produkt. Montáž do vyššího celku může provádět pouze osoba odborně znalá a poučená. Výrobce ani dodavatel nepřijímá zodpovědnost za žádné škody způsobené nesprávným použitím a v těchto případech nevyhoví reklamaci.

The product technical support is provided by the producer company Advanced Radio Telemetry, address questions to the product manager. Other information about the product as well as about the company are published on web pages <http://artbrno.cz>.



AR3582: Technická data 1.0 03/2011

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