

Covidence

Covert Video Evidence with Confidence



User Guide

Oculus® Miniature Video Recorder

For further information please contact:

Covidence A/S

Strandvejen 2A
8410 Roende
Denmark

Phone: +45 8880 9000

E-mail: info@covidence.com

Web: www.covidence.com

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1 Introduction

Oculus® is a miniature, solid state digital video recorder providing high quality, evidence proof video- and voice recordings. Oculus® is specifically designed for covert surveillance operations where size, reliability and stealth are key issues. The intuitive utility software is used for unit configuration and verification of file integrity. Video review is made with Windows Media Player or Covidence Evidence Player.

About This Guide

The intuitive Oculus® Utility software needs only little explanation thus this user guide is intended mostly as a reference guide.

Symbols

Note: A note like this is used when special care must be taken.

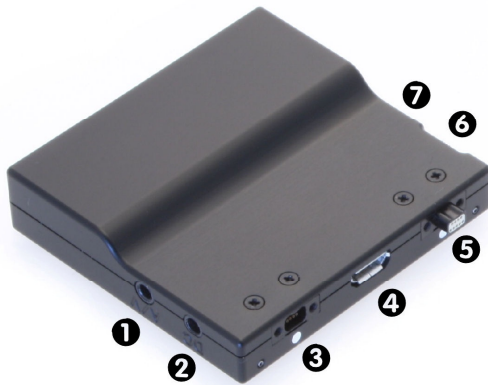
Who Should Use It

This guide is intended for users of different degrees of knowledge and experience with video recording. The guide assumes that the user has a general understanding of PC terminology and Windows.

2 Oculus Overview

2.1 Oculus

The Oculus[®] miniature video recorder is available in several different hardware configurations. With or without internal 2xAAA battery compartment and with built in flash memory or removable micro SD card. Models are available with built-in remote control unit or with built-in audio transmitter. All other specifications and the operation of the units are identical.



Oculus[®] with 2xAAA battery compartment.. 1: A/V out, line-in/out 2: DC supply 3: Female 9-pole 4: Micro USB connector 5: Male 9-pole 6: ON/OFF switch 7: Indicator LEDs

2.2 Transmitter Variant

If Oculus® has a built-in audio transmitter, the transmitter will automatically transmit audio whenever Oculus® is recording. This implies that the transmitter is enabled, of course. The transmitter can be enabled/disabled using the switch shown in the figure below.



Oculus® with 2xAAA battery compartment and built-in audio transmitter.
1: Switch for enabling/disabling audio transmitter. 2: Connector for antenna

When the switch is in the **0 position** the transmitter is disabled and completely radio silent.

Note: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Oculus VHF audio transmitter complies with the SAR (Specific Absorption Rate) RF exposure requirements specified in FCC 47 CFR §2.1093 for the General Population Exposure environment.

Further details in Appendix C - Oculus TX notes.

Note: To obtain longest range and battery lifetime please follow these directions: Avoid wrapping the antenna around the Oculus or other metal parts. Avoid placing the antenna close to the camera cable, DC cable or other cables that are connected to the Oculus.

3 System Installation

This section will describe how to install the Oculus Utility software.

3.1 First-time Users

Before installation, please make sure that the PC complies with the minimum requirements listed in section 3.2.

3.2 Environment

Minimum PC system requirements are:

- Operating system: Windows XP, Windows Vista, Windows 7 or Windows 8
- Interface: USB 1.1 (USB 2.0 is recommended for higher data transfer speed or live video)
- Software: Windows Media Player 10 or newer versions

3.3 Installation

Note: For additional help during software installation and software upgrade, please refer to Appendix B.

Note: If using Windows Vista or Windows 7, the User Account Control must be disabled for the driver to correctly install. Please refer to Appendix B for addition help.

Note: Make sure the ON/OFF switch is in the OFF position before powering the recorder and connecting it to the PC and that Oculus® is not protected by password in the case it has been used before on another PC.

Installation procedure:

1. Insert the CD-ROM delivered with the system into the PC's CD-ROM drive and follow the instructions from the Oculus® Utility software install program. After installation remove the CD-ROM and store it in a safe place.
2. Run Oculus® Utility software by double clicking on the Oculus® icon on your desktop.
3. Make sure the ON/OFF switch is in the OFF position before powering the recorder and connecting it to the PC using the micro USB cable delivered with the unit. The PC will automatically detect the recorder and retrieve the current configuration and unit identification data including serial number and firmware version. Once the recorder is connected to the PC it is powered through the USB interface.

Details about hardware-, firmware- and software version can be found by clicking **About** under the menu **Help**.

4 Appendix A – Oculus TX notes

4.1 Body-worn applications

Oculus VHF audio transmitter complies with the SAR (Specific Absorption Rate) RF exposure requirements specified in FCC 47 CFR §2.1093 for the General Population Exposure environment.

The SAR measurement was made with the flexible wire antenna separated 5mm from the body and the Oculus Transmitter housing separated 8mm. This simulates a body-worn application with the Oculus TX and the flexible antenna is placed in a holster without metal parts.

The holster could be a money belt together with a wallet.

Parts:

- Eagle Creek All Terrain money belt order no: 49000600
- Wallet, Pacsafe RFIDsafe 50 order no: 49000601

Make two small holes with a soldering iron as marked on the picture below. Push the antenna into the belt and into the wallet.



Connect the antenna to the Oculus TX. Avoid placing the antenna close to the camera cable or other cables that are connected to the Oculus. This is important in order to get best performance and to be consistent with the SAR measurement set-up



Finally close the wallet

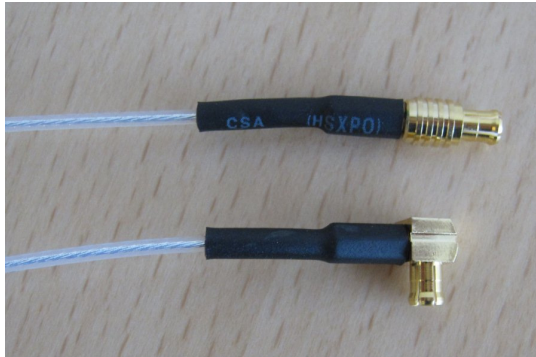


4.2 Approved antennas

Following antennas are pre-approved for use with the Oculus

- Antenna, VHF, MCX Straight order no: 16600000
- Antenna, VHF, MCX Right Angle order no: 16600005

They are identical in performance, only the angle of the RF connector differs.



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