ScopiumCam Moon and Planetary Imager



Installation and user guide

1. System requirements

Before installation make sure your system meets or exceeds the following software and hardware requirements:

- D PC running Windows 98SE XP Vista (32 bit)
- □ 333Mhz Pentium II or better
- □ 128 MB RAM
- □ Screen resolution of 1024x768 or higher

2. Camera driver installation

- 1) Insert the installation disc into your computer's CD/DVD drive. Make sure ScopiumCam is **not** connected.
- 2) Execute d:\driver\setup.exe where d: is the label of your CD/DVD drive. During installation Windows may warn you that the driver of the camera is not digitally signed. It is safe to continue installation, press "Continue install" button to do so.
- 3) Connect your camera to the USB 2.0 port of your computer, Windows will recognize it as follows:



Select "*No, not now*" option to prevent Windows Installer from connecting the Windows Update website. Press **Next** button.



Select "Install software automatically" option.

Hardvertelepítés		
1	A következő szoftvert telepíti ehhez a hardvereszközhöz: ProDoKey CS0330 IMAGE Ez a szoftver nem ment át a Windows Logo tesztelésen, amely a Windows XP-vel való kompatibilitást vizsgálja. (<u>Miért fontos ez a tesztelés?</u>) Ha folytatja a szoftver telepítését, veszélyeztetheti vagy megingathatja a rendszer stabilitását. A Microsoft azt ajánlja, hogy állítsa most le a telepítést, és lépjen kapcsolatba a szoftver szállítójával olyan szoftverért, amely sikeresen átment a Windows Logo tesztelésen.	
	Telepítés folytatása Telepítés leállítása	

Windows may warn you that the driver of the camera is not digitally signed. It is safe to continue installation, press "Continue install" button to do so.

Press Finish button to complete installation.

3. Install capture software

We recommend using AmCap as a capture software for the ScopiumCam, version 9.06 is available from the install disk. You may use any other capture software if it supports Microsoft's DirectShow interface.

You may download the demo version of AmCap 9.2 from the author's website (<u>http://noeld.com/programs.asp?cat=video</u>). If you opt for installing AmCap v9.06 from the installation disk, execute d:\AmCap\AmCapInstall.exe application and install the software as per the instructions.

The following chapter gives instructions for capturing video stream using your ScopiumCam with AmCap 9.2.

4. Capturing video

- 1) Execute AmCap by clicking on the shortcut in Programs menu
- Camera displays the real-time image. If it doesn't, check 'Options > Preview' menuitem.
- 3) Select 'Options > Video Capture *Filter*' menu item.
- 4) Adjust the camera settings, feel free to experiment the different settings.

Tulajdonságok	×
SETUP	
Color 1.00 Gamma 30 Contrast 30 Contrast 88 Saturation 38 Saturation 48 Saturation 48 Saturation 48 Color Enhancement Enable	Frame Rate © 30fps © 15fps © 10fps © 7.5fps © 5fps © 3fps Other
Target 0.8ms Time 15.6 dB Gain	Flip Vertical Flip Horizontal Black/White
Manual WB R 0.81 G 1.00 B 2.92 One Push WB	Default
ОК	Mégse Alkalmaz

AMCap Setup	x
Video Capture Compression Still Capture Options Overlay	
Capture to an only pre-allocated file	
Filename:	
Allocate Browse	
Capture to unallocated files	
Path of folder where captured videos are stored:	
C:\ Browse	
Filename (without extension) :	
scopium	
Use time-stamped filenames	
Video capture options	
Stop capture after: 00:00:02:00 (dd:hh:mm:ss)	
Capture closed captions (if available)	
Capture both audio and video. Master stream: Audio	
OK Mégse	

5) You can specify your capture properties in '*Capture > Setup*' menu item.

In '*Path of folder where captured videos are stored:*' field you can define the location of your video streams. Press browse Button to locate it.

Select 'Use time-stamped filenames' checkbox to create video streams based on your computer's system date and time. If you uncheck it, specify your stream's name in 'Filename' edit box.

'Stop capture after: ' specifies the length of your video stream. If you check it capture will stop after the specified time elapses, otherwise you need to manually stop it.

By default, AmCap captures video stream in uncompressed format, this gives the best image quality but requires huge storage capacity. You may compress the video stream using any codec that is available for Windows in Compression tab.

- 6) Start capture by selecting 'Capture > Start Capture' menuitem
- 7) Stop capture by selecting '*Capture* > *Stop Capture*' menuitem

5. Processing video streams

Now that your video stream has been captured the individual frames can be inspected, aligned and stacked using the included RegiStax software.

6. Specification

- Chip: Sony HAD colour CCD
- Resolution: 640x480 pixel
- Pixel size: 5.6 mikron
- Chip size: 3.6 mm x 2.7 mm
- Sensitivity: <1 lux
- PC connection: USB 2.0
- Other: 1.25" nosepiece and IR blocking filter