Remote Screen View and Remote Control of Mobile Devices

EKON 17

USB WebCam software

- After Windows XP, Microsoft removed the WebCam viewer.
  - http://superuser.com/questions/188632/how-can-i-take-a-picture-with-my-webcam-in-windows-7
- Mac: use
  - PhotoBooth

iOS

- Remote Control on
  any iOS:
  - Jail Break
    http://www.iphonehacks.com/jailbreak
  - install the Veency VNC server
    http://lifehacker.com/5780908/how-to-install-a-vnc-server-on-your-jailbroken-ios-device
  - Find your iOS' IP address
    http://www.macinstruct.com/node/556
- Remote screen view on
  iOS 6/7 + iPod 5G+/iPhone 4G+/iPad 2G+
  - Buy Reflector (an AirPlay wrapper for Mac/Windows) for USD 13
    http://www.reflectorapp.com

Android

- Require ADB (see further on)
- Tried:
  - VMLite VNC server runs on Android device
    (semi-continuous; commercial, about EUR 5 in the Android Store)
    https://play.google.com/store/apps/details?id=com.vmlite.vncserver
  - Droid@Screen runs on your development machine
    (every second; free; Java; open source)
    http://droid-at-screen.ribomation.com/
    https://github.com/ribomation/DroidAtScreen1
- Not tried yet:
  - http://www.mymobiler.com/
  - https://code.google.com/p/androidscreencast/
- Only on tablets:
  - https://play.google.com/store/apps/details?id=com.teamviewer.quicksupport.market.samsung
- On phones and tablets:
  - https://play.google.com/store/apps/details?id=com.teamviewer.teamviewer.market.mobile

ADB: Android Debug Bridge

- http://developer.android.com/tools/help/adb.html
- Is part of the Android SDK
- Delphi XE5 has it here:
  - reg query HKEY_CURRENT_USER\Software\Embarcadero\BDS\12.0 /V AndroidPath
    - C:\Users\Public\Documents\RAD Studio\12.0\PlatformSDKs\adt-bundle-windows-x86-20130522\sdk\platform-tools\adb.exe
- Requires some batch files to start successfully
- Uses ADB USB drivers for your device to communicate with it

ADB USB drivers

- Google ADB drivers: for Google and compatible devices
  - C:\Users\Public\Documents\RAD Studio\12.0\PlatformSDKs\adt-bundle-windows-x86-20130522\sdk\extras\google\usb_driver
  - Or download from http://developer.android.com/sdk/win-usb.html
  - Or download via the Android SDK Manager; see batch files in C:\Users\developer\Copy\zephyr-xe5\Tools\ADT
- Install the Windows drivers, for instance:
  - HTC, Corporation - Other hardware - My HTC; Download size: 1.1 MB
  - HTC, Corporation Other hardware software update released in September, 2013
- Universal Naked Driver: *.inf modification to allow for most devices
  - 0.73 http://forum.xda-developers.com/showthread.php?t=2386956
  - 0.72 http://forum.xda-developers.com/showthread.php?t=1426502
  - Find the USB ID for your divice through http://www.nirsoft.net/utils/usb_devices_view.html
  - How to modify .inf: http://stackoverflow.com/questions/4204232/android-usb-adb-driver-for-htc-desire-hd
- Get drivers from your vendor.
  - Be aware they often install OLD versions of the ADB binaries