ONVIF Profile T, S, G, Q support
ONVIF16 support 2-16 channels
Automatic video Trancode , Transmuxing, Transrating
Stream video correction and filtering
Video encoding: H.264, H.265, MP4, JPEG
Audio encoding: 711.u, 726, AAC
Alarm IN and OUT control
Bidirectional Audio Streaming

OVERVIEW:

ITVDesk allows you to shoot in real-time in high definition, picture and sound on your computer's display on a video recorder (DVR) or network video recorder (NVR). Each terminal with the Microsoft Windows operating system can be equipped with a solved ITVDesk application. The ITVDesk is ideal for controlling POS cash registers, casinos, education, healthcare, banking, control terminals, or even controlling workforce staff.

The ITVDesk Solution can capture everything that the camera-focused security camera can not. The ITVDesk consumes very little resources and can work completely hidden and protected from the computer user. The automation starts at Windows startup and connects with NVR or DVR video recorder.

REDUCE THE COST OF VIDEO SURVEILLANCE

ITVDesk is a software solution designed to replace the expensive hardware components used to monitor the screen activity on the desktop in the administrator's background. You do not need a warhead encoder or stand-alone high resolution IP camera. The ITVDesk can monitor the sound and video screen of your computer and switch it to your video recorder via the Onvif protocol.
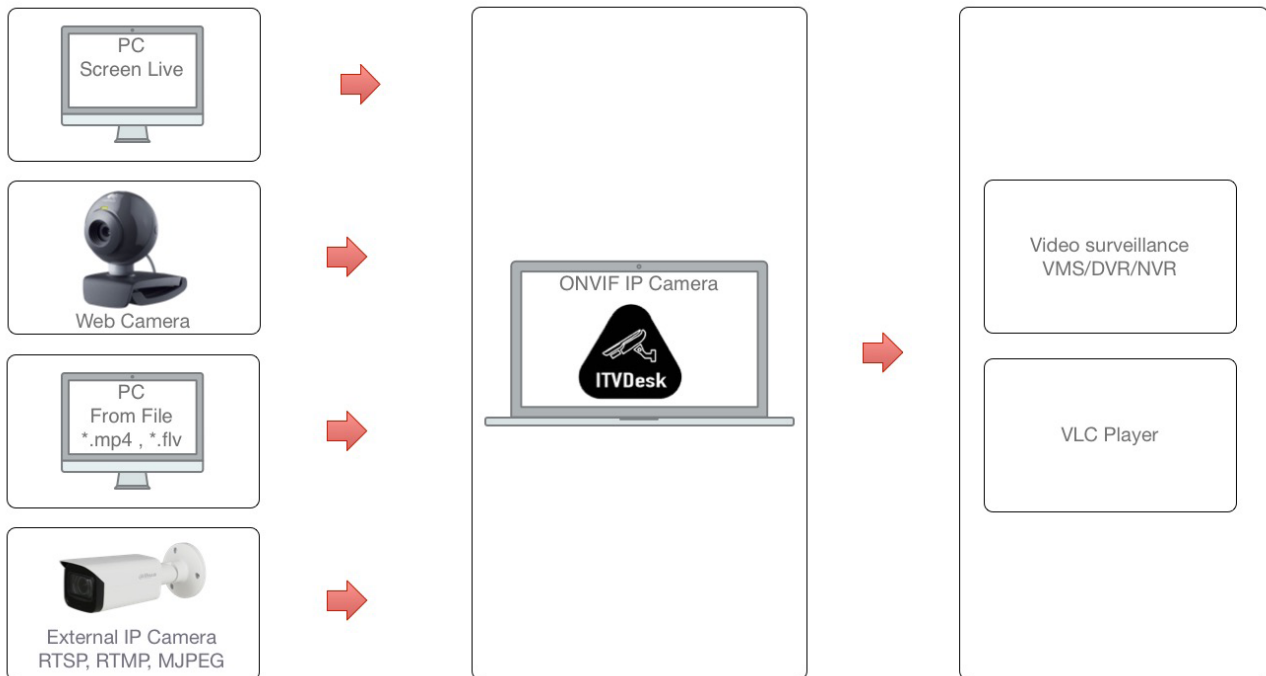
ITVDESK SOLUTIONS PURPOSE

The ITVDesk can be used at various locations such as computer monitoring in banks, supermarkets, cash terminals, testing / certification centers, SCADA terminals, or for personal purposes in which a Windows computer is used.

For example: Remote Video Surveillance through a PC, mobile phone, tablet, or TV.

ITVDesk – Turn you computer into ONVIF IP Camera

RECORDING THE ACTIVITY OF A COMPUTER VMS/NVR

ITVDesk is a program based on the ONVIF global standard that ensures interoperability between IP-based security products regardless of the manufacturer. Allows viewing and recording screen activity with any VMS / NVR program that supports the ONVIF protocol.

PC
Screen Live

Web Camera

PC
From File
*.mp4 , *.flv

External IP Camera
RTSP, RTMP, MJPEG

ONVIF IP Camera

ITVDesk

Video surveillance
VMS/DVR/NVR

VLC Player

SYSTEM REQUIREMENTS:

- x64 or x86 OS starting at Windows 7 SP1 or later.
- Microsoft Visual C ++ 2015 Redistributable Package (x64 or x86).
- Medium-performance PC.
- Not Internet connection required.

ITVDESK FUTURES:

 - ITVDesk have **FULL supports of the ONVIF Profile T, S functionality.**

 - ONVIF interface compatibility is tested by ONVIF official test tool.

 - All stream have Transcoding, Transmuxing, Transrating and can be setting front and over ONVIF protocol

IP CAMERA FUTURES	
ONVIF support	Profile T, S, G, C, Q
Striming protocol	RTSP/RTP
RTSP/RTP support	RTP over TCP/UDP, RTP multicast, RTSP over HTTP/HTTPS
ONVIF & RTSP video coding	*H265, H264, MP4, MJPEG*
ONVIF & RTSP audio coding	G711, AAC, G726
Auto discovery over the network and automatic reconnect	✔
Audio Back channel (Bidirectional audio support)	✔
Automatically reports online and disconnect from the network	✔
Support mix multichannel and multi ONVIF IP kamera options	✔+ ONVIF16 Drive support
Manage streaming parameters in NVR/VMS	✔
Motion detection support	Move mouse, click mouse and click keyboard

Alarm IN, sending panic switches to NVR / VMS	✅
Alarm OUT, receive incoming alarm and activate	Run selected app, shutdown, reboot, computer lock...
Support Streams	MainStream, SubStream, ThirdStream, FourthStream, CostomStream
RTSP authentication	Digest and Basic
ONVIF authentication	WS-UsernameToken
OSD menu camera support	✅
Video filtering	Sharp, Black/White, Blur, Deinterlace
Automatsko transkodiranje video i audio strima	Transcode, Tranmuxing, Transrating
Audio device mix support	Connect a video stream to any audio stream
Support ONVIF audio and video playback	✅
Onvif configuring network and users settings	✅
Onvif relay out settings	✅
Video rotation support	✅

MEDIA SOURCE

Stream PC monitor (1, 2 or more monitors)	✔
Stream Web camera (1, 2 or more web camera)	✔
Stream from Folder (1, 2 or more *.mp4, *.flv file)	✔
Stream audio PC (1, 2 or more audio)	✔
Audio mixing with any media source (desktop + microphone ...)	✔
Connecting to another IP camera	rtsp, http jpeg, rtmp, rtmps, rtmpt, rtmpe, rtmpfp, rtmpts, rtmpte
Convert 3th party RTSP, RTMP, HTTP JMPEG streams to ONVIF IP Camera profile T	✔
Total number of medias (desktops + webcams + external streams + From File + External IP camera)	256 (16IPC*16CH)

VIDEO AND AUDIO CODING

Supported video resolution	Automatic and Manual
Complete ONVIF video stream setting: fps, bitrate, video encoding, session time, GOV, Profile, I-frame ...	✔

Complete ONVIF audio stream adjustment: simple rate, bitrate, audio encoding, session time, mono / stereo ... ✔

Rotate all media sources (Desktop, Webcam, From file, External IP cam, Audio only)   None, R90, L90, FlipH, FlipV

Automatic transcoding (Transcode, Tranmuxing, Transrating) ✔

VIDEO ON SCREEN DISPLAY

Print a keystroke on a video stream. Retrieving computer key presses on the OSD ✔

Show time and date ✔

Show channel name ✔

Adjusting OSD text   Top Left-Right, Down Left-Right

Adjust the color and size of the OSD text ✔

ALARM OUT

Launch another 3th party app ✔

Running terminal commands ✔

Shutdown computer ✔

Reboot computer ✔

Lock computer ✔

ALARM IN

Setting the panic button on the computer ✔

Set panic alarm duration ✔

Notification of sent panic alarm ✔

MOTION DETECTION

Detection mouse move and click ✔

Detection keyboard press ✔

Set motion detection duration ✔

OTHER FEATURES

Hidden application mode ✔

Automatic start with computer ✔

Password protect the application ✔

Launch the application in the background ✔

Turn off computer and monitor sleep ✔

Remove an application from the program list ✔

Advance video and audio streaming test ✔

Installation without Internet ✔

Use Advanced Encryption Standard for protect user data ✔

Play RTSP: MainStream, SubStream, ThirdStream, FourthStream from IP Camera 1:
   - **Camera 1**: rtsp://yourip:port/ipc**1**-stream**1**/screenlive
   - **Camera 1**: rtsp://yourip:port/ipc**1**-stream**2**/screenlive
   - **Camera 1**: rtsp://yourip:port/ipc**1**-stream**3**/screenlive
   - **Camera 1**: rtsp://yourip:port/ipc**1**-stream**4**/screenlive
   - **Camera 1**: rtsp://yourip:port/ipc**1**-stream**5**/screenlive

If your system have multiple monitors, mutiple webcamera etc... you can use
rtsp://yourip:port/screenlive**N** , the **N** to specify the monitor, webcamera start from 0, suchas:
Play computer ScreenLive N0, N1, N2 and webcamera N0 from IP Camera
   - **Camera 2**: rtsp://yourip:port/ipc2-stream1/screenlive
   - **Camera 2**: rtsp://yourip:port/ipc2-stream1/screenlive**1**
   - **Camera 2**: rtsp://yourip:port/ipc2-stream1/screenlive**2**

Direct use and setup video stream over Metadata:
   - *Camera 1*: FromFile: rtsp://*yourip:port*/*ipc1-
stream*1/File1_media.mp4&t=unicast&ve=H265&p=udp&w=1280&h=1080&ae=G726

   &t = type of transfer (unicast or multicast)
   &p = udp or tcp
   &ve = video encoding (H265, H264, MP4, MJPEG)
   &w = video widht
   &h = video hight
   &ae = audio encoding (G711, G726, AAC)

LICENSE:

ITVDesk software uses PC-based, hardware-tied licenses.

A license can be activated via the Internet, or manual/offline activation must be performed.

Once the license is activated, it is tied to the PC hardware. User may use the same license after reinstalling ITVDesk or Windows; however, User must purchase a new license to use the software on a new PC or request a license transfer to another PC.

Three kinds of licenses are available:

One-Time Purchase, with unlimited period and no watermark. Software updates are free during the all period of a License.

One-Year Subscription, with One-Year period and no watermark. Software updates are free during the all period of a License.

Trial, with watermark on the video feed and a 15-day demo period starting from the activation date. The user may request as many trial licenses as necessary for use on different PCs on the user's network.

INSTALLATION:

1. Download ITVDesk setup package Download
2. Install it
3. Click Trial button or send us reqest license
    - a) One-Year Subscription
    - b) One-Time Purchase
4. Activate the license via load licences file
5. Use it

SUPPORT CENTAR:

For more details please visit: https://www.itvdesk.eu/supportcentar.php

RELATED QUESTIONS:

Email: support@itvdesk.eu

Phone: +385 20 35 45 55

Mobile: +385 91 944 75 94 (Whats app, Viber, Telegram)

ITVDesk – Turn you computer into ONVIF IP Camera