



Overview

DeskStream is a virtual ONVIF / RTSP IP camera for Windows. It captures your PC's screens (every connected monitor) and webcams and streams them as real-time H.264 video feeds that any NVR or VMS can record — exactly like a hardware IP camera.

It is a software-only, drop-in solution for any organization that needs to record on-screen operator activity within its existing surveillance system: point-of-sale tills, banking counters, exam & certification centres, SCADA / HMI control rooms, dispatch and helpdesk stations — recorded side by side with the site's other IP cameras. Because it speaks the ONVIF standard, DeskStream integrates with virtually any ONVIF-compatible Video Management System (VMS) or Network Video Recorder (NVR).

Why DeskStream

- **100% offline activation** — no internet or cloud account needed, so it works on air-gapped and locked-down POS / SCADA networks.
- **Remote View** — an optional companion mobile app to watch your PC cameras live from a phone, anywhere (peer-to-peer, no third-party cloud).
- **Hardware-accelerated H.264** — NVIDIA NVENC, Intel QSV and AMD AMF encoders are detected and used automatically for low-CPU Full-HD streaming.
- **Modern, lightweight interface** — a clean tray app with light & dark themes; the single most-needed detail (the streaming IP) is shown front and centre.

Key Features

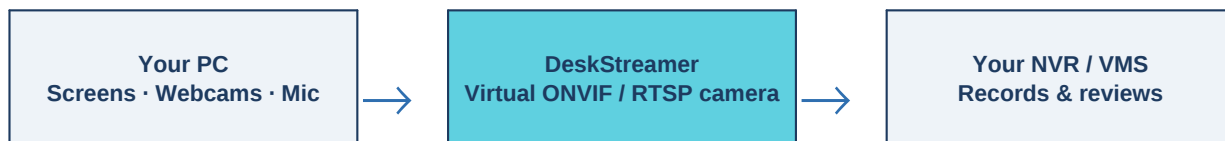
- **ONVIF-based, Profile S compatible***
Works with any NVR/VMS that supports the ONVIF standard.
- **Multiple monitors supported**
Every desktop is streamed as its own independent ONVIF camera.
- **Multiple webcams supported**
Built-in and USB webcams, each as its own ONVIF camera.
- **Dual-stream per camera**
Main + Sub stream, just like a real two-stream IP camera.
- **Audio (microphone) supported**
G.711 (PCM μ -law) audio delivered alongside the video feed.
- **H.264 encoding up to Full HD**
Hardware-accelerated (NVENC / QSV / AMF) when available.
- **Machine-locked licensing**
Offline, cryptographically-signed keys tied to one PC — no phone-home.
- **Adjustable resolution & frame rate**
Per-stream control to balance quality against bandwidth.
- **Automatic network discovery**
WS-Discovery lets the NVR/VMS auto-find the device.
- **Secured ONVIF & RTSP**
ONVIF user/password plus RTSP Basic or Digest authentication.
- **RTSP over TCP and UDP**
- **Runs in the background**
System-tray app; optional auto-start with Windows.
- **Password-protected controls**
Stopping the stream or closing the app can require a password.
- **Reliable full-screen capture**
DPI-aware capture and keep-display-awake keep recordings complete.

How It Works

- 1 Install DeskStream on the Windows PC you want to record.
- 2 Open the app and note the on-screen **Streaming IP** and ONVIF / RTSP ports.
- 3 Add it to your NVR/VMS as an ONVIF or RTSP camera — it records like any other IP camera.



Integration at a Glance



■ **Plus Remote View:** watch the same cameras live from the companion mobile app, anywhere — peer-to-peer, no third-party cloud.

Typical Use Cases

Point-of-sale / retail tills	Banking & cash counters	Exam & certification centres
SCADA / HMI control rooms	Dispatch & helpdesk desks	Trading & finance desks

System Requirements

Operating system	Windows 10 / 11 (64-bit).
Dependencies	None — self-contained installer; no .NET or extra runtimes to install.
Hardware	Medium-performance PC. A hardware GPU encoder (NVENC / QSV / AMF) is recommended for multiple simultaneous Full-HD streams.
Network	A LAN reachable by your NVR/VMS. No internet connection required — license activation is fully offline.

Licensing

- **Free 14-day trial** — full features, time-limited from first launch.
- **Commercial license** — machine-locked and offered in multiple validity periods. Once activated, a license ties to that PC's hardware.
- **Remote View** — optional annual add-on (per account) that enables the companion mobile app.

* DeskStream supports the core of ONVIF Profile S used for video streaming and discovery; configuring network settings and managing users from the VMS are not supported. ONVIF® is a trademark of its respective owner. Specifications subject to change.