



VanityCam

Skin smoothing for your webcam, live in every video app

Per-face masking · runs on your GPU · Zoom, Teams, Meet, Discord, OBS

User Manual

Version 0.5.1

One camera, every app

Any webcam

Fully offline

No subscription

Windows 11, 64-bit

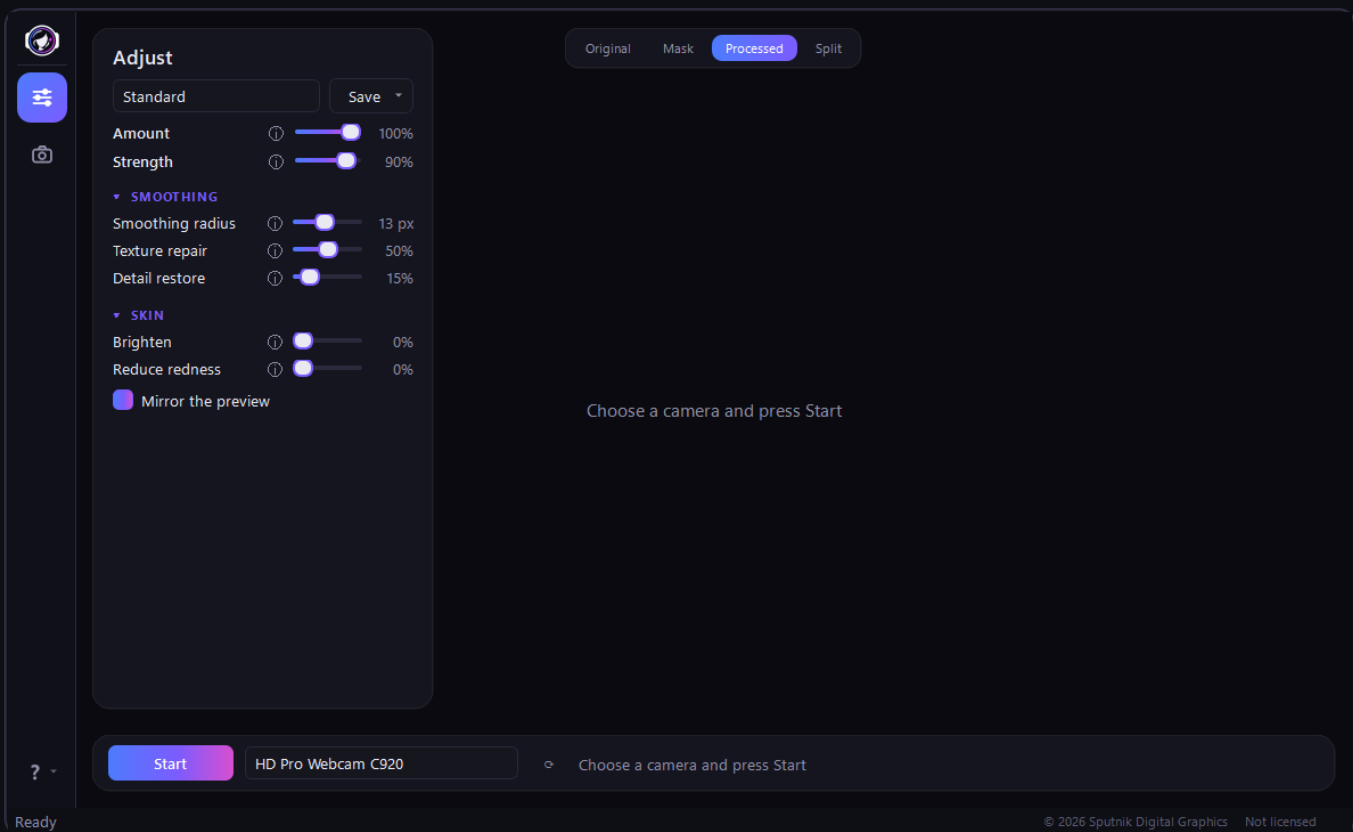
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VanityCam adds a second camera to Windows called VanityCam. It reads your real webcam, smooths the skin on every face it finds, and hands the result to whichever video app you point at it: Zoom, Microsoft Teams, Google Meet, Discord, OBS Studio, or anything else with a camera picker. Faces are smoothed; eyes, hair, clothes and the background are not. Everything runs on your own graphics card. Nothing is uploaded and there is no account.

FOUR STEPS

- 1** Install. Run the installer. Windows asks for administrator rights once, to register the VanityCam camera so every app can see it. Restart any video app that was open during the install.
- 2** Start. Open VanityCam from the Start menu, pick your webcam in the bar at the bottom, and press Start. The preview shows the processed picture.
- 3** Choose it in your app. In Zoom, Teams, Meet, Discord or OBS, select VanityCam as the camera. Everyone on the call sees the processed picture.
- 4** Adjust. Pick a preset or move the sliders in the Adjust panel. Changes show in the preview and in your call at once.



The window before Start: the icon rail on the left, the Adjust panel, and the transport bar with the camera picker.

The camera picture fills the window. Floating panels sit on top of it, opened from the icon rail on the left: Adjust for the look and Camera for the source and options. Click the active tab again to hide the panel and see the whole picture.

VIEW CHIPS (TOP CENTRE)

Processed	default	The picture your video app receives.
Original		Your webcam as it is, so you can judge the difference.
Mask		The picture dimmed with the detected skin painted violet: the fastest way to see what will be smoothed.
Split		Original on the left, processed on the right, with a dashed seam.
Hold Space		Flips the preview to the original while the key is held. Only the preview changes; your call keeps the processed picture.

ALSO ON SCREEN

On-air chip	top right	Live in a video app when an app has the camera open, Camera ready while it waits, with the frame rate and the engine's time per frame.
Transport bar	bottom	Start / Stop, the webcam picker, the refresh button, and a one-line status.
Mirror the preview	Adjust panel	Shows the preview as a mirror, the way video apps show your own self-view. The camera picture is never mirrored.
Tray icon	next to the clock	Closing the window keeps the camera running in the tray. Right-click the icon to show the window, start or stop the camera, or quit.

GOOD TO KNOW

- Stop removes the camera. Press Stop and the VanityCam camera disappears from Windows at once; an app that had it open sees it unplugged. Start brings it back.
- Your self-view looks mirrored. Zoom, Teams, Discord and most apps mirror what you see of yourself, including the VanityCam mark. Everyone else sees it the right way round.
- Any webcam, and two output sizes. Whatever your webcam offers, the picture is scaled to fill the size your video app asked for: 1280×720 or 1920×1080.

Start from a preset, then fine-tune. Every change shows in the preview and in your call immediately, and the settings are remembered between sessions.

SMOOTHING

Amount	default 100	Master wet/dry mix: scales the entire effect between the original and the full look. Dial in a look, then ease it back in one move.
Strength	default 90	How strongly the smoothed skin replaces the original inside the mask: the main dial for the overall look.
Smoothing radius	default 13 px	Size of the smoothing filter. Larger radii erase bigger pores and blotches.
Texture repair	default 50	Extra suppression of the texture the smoother leaves behind: blotches, compression noise. High values read as airbrushed.
Detail restore	default 15	Adds fine detail (pores, grain) back on top of the smoothing so skin keeps looking like skin.

SKIN

Brighten	default 0	A gentle lift of skin lightness for glow. Black and white stay pinned; hue and saturation are untouched.
Reduce redness	default 0	Evens out red blotches and flush toward the surrounding skin tone. Overall warmth is kept; lips are unaffected.

PRESETS

Light touch	Subtle polish that keeps most texture.
Standard	Balanced everyday smoothing. The default.
Heavy	Strong smoothing with more texture repair.
User 1, User 2	Your own. The Save menu stores the current sliders to a slot.

Moving any slider switches the preset to "Custom". The Save menu also exports a look as a .vcpreset file and imports .vcpreset or VanityFilter .vfpreset files.



The Camera tab on the rail holds the source settings and how VanityCam behaves on your PC.

Webcam	transport bar	The camera VanityCam reads from. Press the refresh button after plugging one in.
Camera input	1280×720	What VanityCam asks the webcam for. 1920×1080, downscaled is sharper and quieter on cameras that offer it. This is the input, not the output. Takes effect at the next Start.
Output size	your app chooses	The size your video apps receive. VanityCam offers 1280×720 and 1920×1080 and the app picks, but Zoom, Teams and Meet always take whichever is offered first and never ask for the other. Choose 1920×1080 first to offer the larger one first, which is the only way to get 1080p into an app with no camera resolution setting. It costs a little more GPU time, and applies when the camera next starts: press Stop then Start. The on-air chip shows which size is going out.
Keep running in the tray	on	Closing the window keeps the camera available between meetings. Turn it off to quit on close.
Start the camera when VanityCam opens	off	For people who use it every day.
This PC		Shows whether the camera driver is registered and which engine is in use. "Not registered" means the install did not complete: reinstall.

IN YOUR VIDEO APP

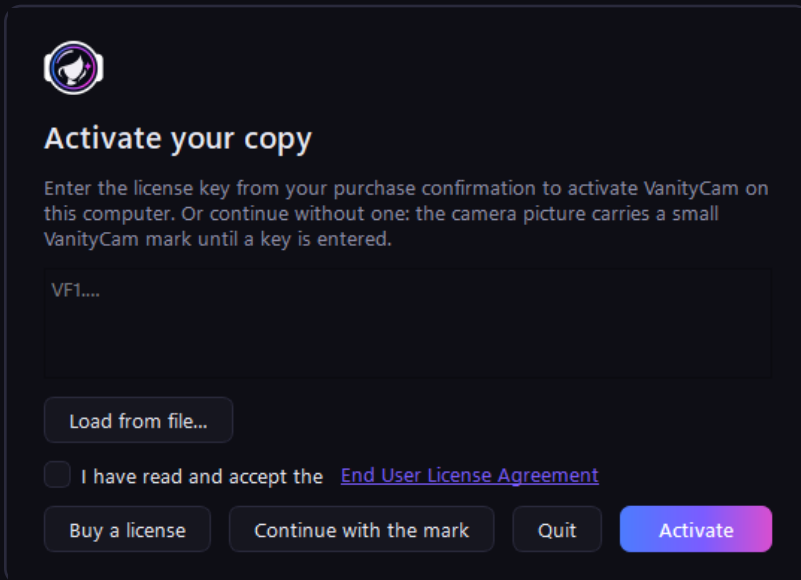
Zoom	Settings → Video → Camera: VanityCam. Zoom's own touch-up and background effects stack on top if you want them.
Microsoft Teams	Settings → Devices → Camera: VanityCam.
Google Meet	In the meeting: More options → Settings → Video → Camera.
Discord	User Settings → Voice & Video → Camera: VanityCam (Windows Virtual Camera).
OBS Studio	Add a Video Capture Device source and pick VanityCam.

REQUIREMENTS

- Windows 11, 64-bit. VanityCam is built on Windows 11's virtual-camera framework, which Windows 10 does not have.
- A graphics card with DirectX 11 and DirectML: any GPU from the last decade, including Intel and AMD integrated graphics. The on-air chip shows the engine's time per frame; a few milliseconds is normal.
- Any USB or built-in webcam.



VanityCam is free to use. Without a license key the camera picture carries a small VanityCam mark in the corner; everything else works. A one-time license removes the mark, for good, on up to two computers.



The screenshot shows the 'Activate your copy' window. It features the VanityCam logo at the top left. Below the title, there is a text box with instructions: 'Enter the license key from your purchase confirmation to activate VanityCam on this computer. Or continue without one: the camera picture carries a small VanityCam mark until a key is entered.' Below this is a text input field containing 'VF1....'. To the left of the input field is a 'Load from file...' button. Below the input field is a checkbox labeled 'I have read and accept the' followed by a link to the 'End User License Agreement'. At the bottom, there are four buttons: 'Buy a license', 'Continue with the mark', 'Quit', and 'Activate' (which is highlighted in blue).

ACTIVATE IN THREE STEPS

- 1 Buy a license at vanityfilter.com/vanitycam. Your key arrives by email within minutes: a long code beginning VF1.
- 2 Paste the key into the activation window shown at launch, or later from Help → Activate License. Accept the license agreement and click Activate. The mark disappears from the picture at once.
- 3 Second computer? Install VanityCam there and paste the same key. One license covers one person on up to two machines.

YOUR LICENSE

- Offline. The key is verified on your own machine; nothing is sent to us. The app's only network access is the optional once-a-day update check, which sends only the application version and can be turned off under Help.
- Perpetual. No subscription, no expiry, every update in the 0.x and 1.x series.
- VanityFilter keys are separate. A VanityFilter key does not activate VanityCam; the bundle key activates both.
- Lost your key? Reply to your purchase email, or write to support@vanityfilter.com, and we will resend it.

"No camera found"	Plug the webcam in and press the refresh button beside the camera picker. A webcam another app is using may not appear until that app releases it.
"The camera stopped delivering frames"	Another app took the webcam (Zoom, Teams and Discord hold it while their video settings are open). Close that app's video settings, or pick VanityCam there instead of the webcam, then press Start again.
VanityCam is missing from my app's camera list	Restart the app: camera lists are read when the app starts. If it is still missing, open the Camera tab and check that the driver is registered; reinstall if not.
"The GPU engine could not start"	The graphics driver lacks DirectX 11 or DirectML. Update the graphics driver from the maker's site (NVIDIA, AMD, Intel).
"VanityCam is already running"	It is in the tray next to the clock. Click the icon to show the window.
Choppy picture	Check the on-air chip: the frame rate should match your camera (usually 30). A high engine time means an overloaded or very old GPU; try 1280×720 input and a lower Smoothing radius.
My self-view is backwards	That is your app mirroring your own preview, as it does for every camera. Others see it the right way round.
Uninstall	Settings → Apps → VanityCam → Uninstall. The camera is removed from Windows with it.

SUPPORT

- Web: <https://www.vanityfilter.com/vanitycam>
- Email: support@vanityfilter.com. Say which video app, which webcam, and what the on-air chip shows.
- Updates: a once-a-day check shows a banner when a newer version is available; Download opens the download page. Manage it under Help.