Workflow -
https://drive.google.com/drive/folders/1gpe3Q3etC870z1M2Aej_RD7atYwl-mET?usp=drive_link

If above Link is not working , copy it and paste it into browser.

✅ 1. Connect Google Credentials

This gives your system access to your **Google Drive** (to read/write files) and **Gmail** (to send/receive emails if needed).

You'll be asked to log in and give permission so the automation can use your Google account safely.

✅ 2. Connect OpenRouter API Key

This key activates the **AI chatbot model** you'll be using—OpenRouter allows you to use models like GPT-4, Claude, Mixtral, etc., often at cheaper rates than OpenAI.

Sign up at openrouter.ai, copy your API key, and paste it into the tool you're using.

✅ 3. Connect OpenAI API Key

This is used for **editing images with AI** or other tasks that need OpenAI's models (like GPT-4, DALL·E, etc.).

Go to platform.openai.com, create a free account, generate an API key, and paste it in.

✅ 4. Connect ImageBB API Key

ImageBB is used to **upload images to the internet**, then turn them into URLs that your system can use in HTTP requests or automations (like uploading to GitHub).

Create an account at imgbb.com, go to the API section, generate your key, and connect it.

✅ 5. Connect Runway API Key

Runway allows you to **generate or edit videos using AI** (for example, text-to-video or image-to-video features). This key helps you use those tools automatically.

Go to runwayml.com/api, log in, generate the key, and connect it in your setup.

Purpose	Original API	Free Alternative	n8n Node
Google Drive/Gmail	Google API	Zoho, Dropbox, Mailgun	Gmail / HTTP / IMAP
Chat Model	OpenRouter	HuggingFace, Together.ai	HTTP Request / HuggingFace
Edit Images (AI)	OpenAI	Replicate, Stability, HuggingFace	HTTP Request
Image Hosting	ImageBB	Imgur, Cloudinary, PostImage	HTTP Request
Video Generation	Runway	Replicate, Kaiber, Pika	HTTP Request / Discord

📦 Product Video Generator – Free Automation Guide

🔗 **Project Name:** Auto Product Video Creation System
🛠️ **Tools Used:** n8n + GPT + Runway + Google Drive + ImageBB + OpenAI

🚀 What This System Does

This automation turns a **product photo + title + description** into a **high-quality promotional video**.

✅ Accepts a product form (photo + title + description)
✅ Generates an AI-enhanced product image
✅ Turns that image into a video with smooth camera rotation
✅ Sends the final video and image link via email

⚙️ Step-by-Step Workflow Breakdown

1️⃣ Form Trigger

- User submits: product photo, title, description, email

- Captured via `Form Trigger` node

2️⃣ Upload to Google Drive

- Image is uploaded to the "Product Creatives" folder

3️⃣ AI Image Prompt Generation

- GPT-4 generates a **hyper-realistic product photo prompt**

- Photo is reprocessed with OpenAI Image Edit API

4️⃣ Image Download + Upload

- Downloaded image is converted and re-uploaded to **ImageBB**

5️⃣ Generate Video with Runway

- RunwayML uses the AI-generated image to create a **10-sec 3D-style rotation video**

6️⃣ Polling & Wait Logic

- n8n waits for video rendering to finish

7 Final Output

- Sends email with:

    - 📸 Final image link

    - 🎬 Final video link

    - Email goes to the one provided in the form

📦 Setup Instructions

✅ APIs You Need:

Tool	Use	Required?
OpenAI API	GPT + Image edit	✅
RunwayML API	Video generation	✅
ImageBB API	Hosting images	✅
Google OAuth	Drive + Gmail	✅
OpenRouter API	Chat model (optional)	✅

🔧 Setup Steps in n8n

1. **Import the JSON file** in n8n

2. Add your credentials to:

    - OpenAI

    - RunwayML

    - Google Drive & Gmail

    - ImageBB

3. Start the workflow

4. Test with your own product!

🙏 **Thank you for checking out the setup! We're here to provide you real value with every workflow we share. If you face any issue or have questions, feel free to message us anytime — we're happy to help!** 💬💡
— Team @fullstackrahulji