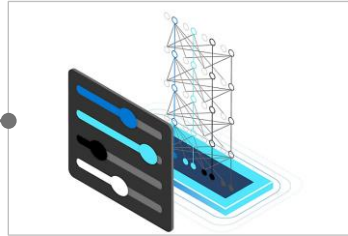


Enabling powerful AI with Microsoft Surface



Microsoft's AI history | Notable moments



NOV 2016

OpenAI chooses Microsoft Azure to run AI workloads

OCT 2019

Surface introduces "eye gaze" technology for a more personal video conferencing

MAY 2020

Microsoft announces new supercomputer, lays out vision for future AI work

NOV 2021

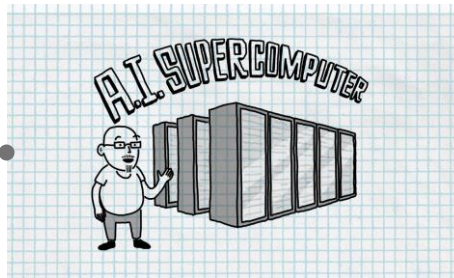
Microsoft introduces Azure OpenAI service to the world

MAR 2022

Surface introduces AI powered smart camera for team meetings

JUN 2022

GitHub Copilot is generally available to all developers

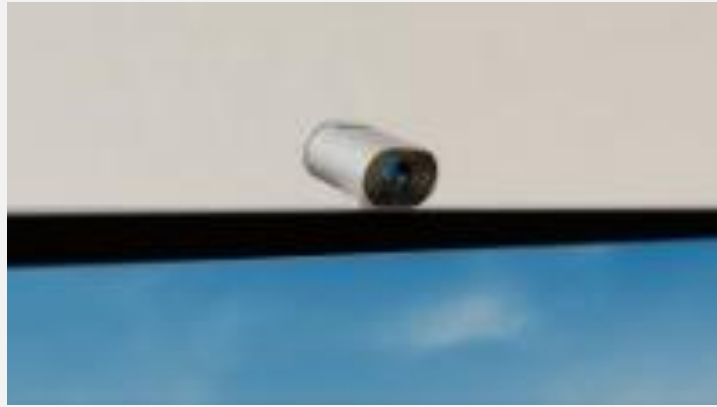


Hardware-led AI



2019

"Eye gaze" technology



2022

Surface Hub 2 Smart Camera



2022

Voice Clarity



“

The age of AI is upon us, and Microsoft is powering it.

— Satya Nadella

”

Microsoft latest AI announcements | 2023



Bing chat

- Better search and complete answers
- Delightful chat experiences
- Bing Image creator



Edge copilot

- Smart page summarizer
- Write with AI with just a few prompts
- Quick access to Bing chat



Microsoft 365 copilot



Writes, summarizes and creates alongside



Turning ideas into a designed presentation, through natural language



Unlock insights, identify trends, create professional looking data visualizations



Integration with all M365 platforms to help summarize, chats, emails and identify key dates to plan across



Intelligent recap, AI generated notes, chapters, timelines and tasks



Microsoft Security copilot

- Empowers defenders to move at the speed of AI
- Provides powerful security insights
- Adaptable to different level of skillset



Surface – A perfect endpoint to experience AI innovations

Surface: Enabling AI on the client



Microsoft Azure

Microsoft Surface



AI on cloud

User experience

AI on client



Enhanced video effects

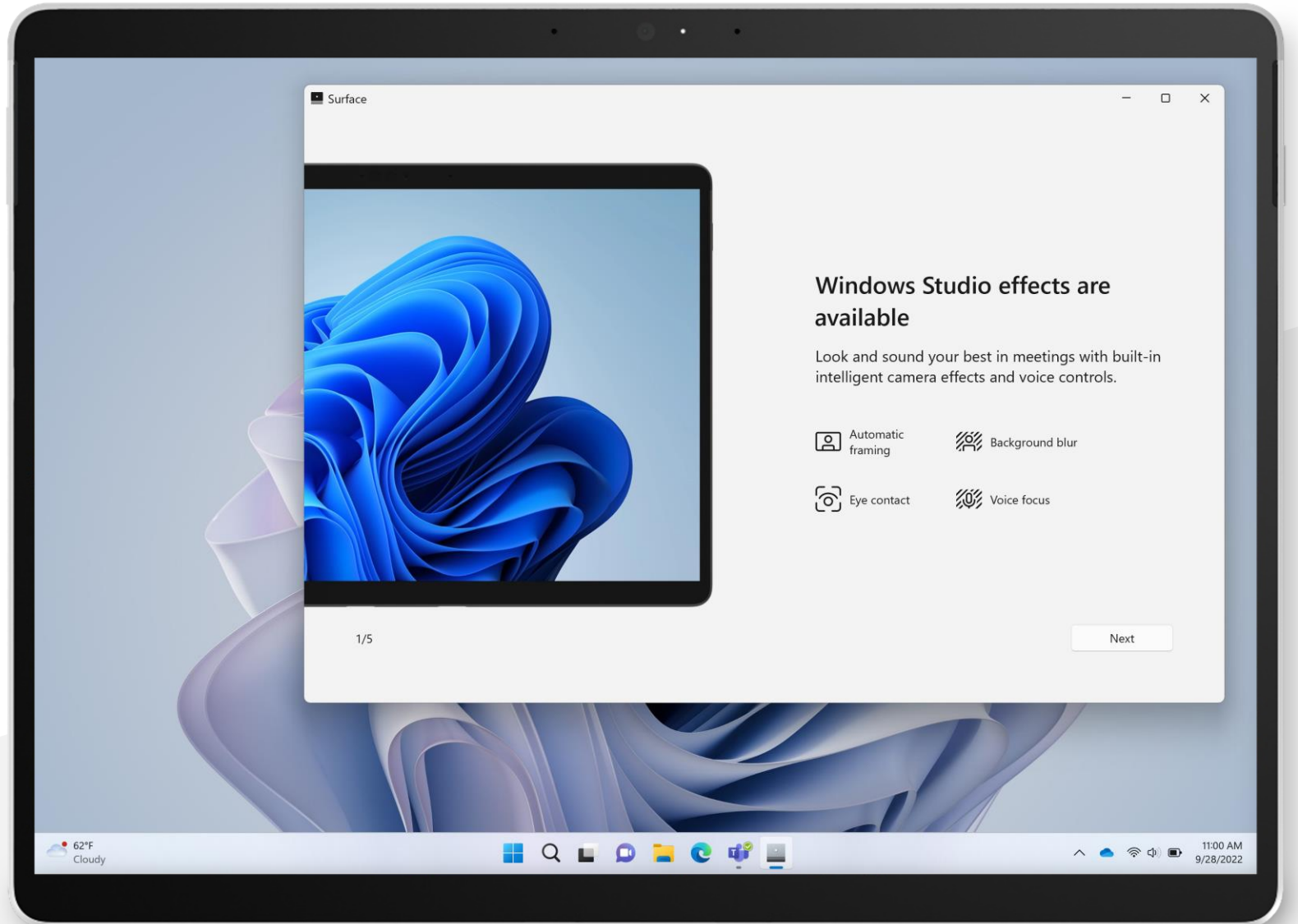
Surface makes you look and sound better during your calls

 Automatic framing

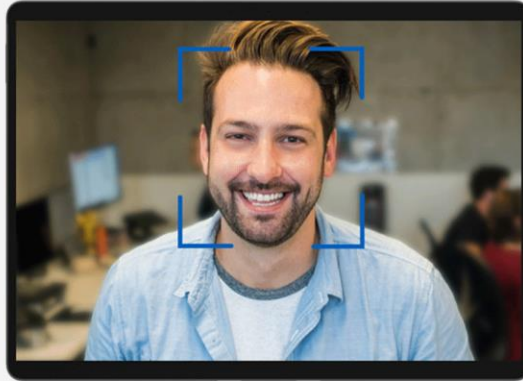
 Portrait blur

 Eye contact

 Voice focus




*Enabled on Surface Pro 9 with 5G



Automatic framing

Automatic framing adapts seamlessly to your movement so that you are always in view.

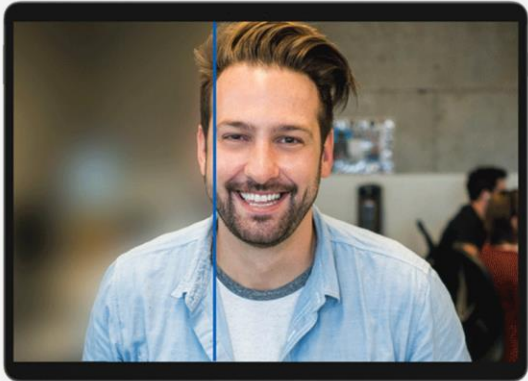
Set up now

 Preview again

2/5

Previous


Next



Background blur

Background blur helps keep the focus on you. Choose the standard setting for a uniform background or portrait mode to create a softer effect.

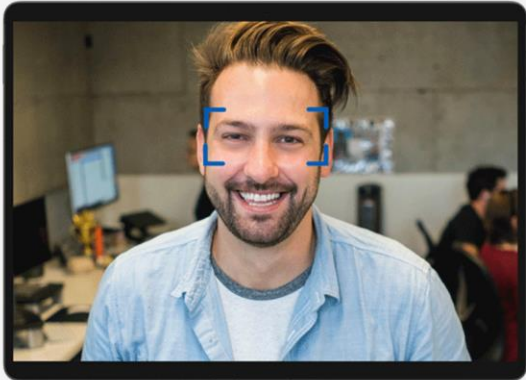
Set up now

 Preview again

3/5

Previous

Next



Eye contact

With eye contact, you appear to be looking directly at the person you're talking to.

Set up now

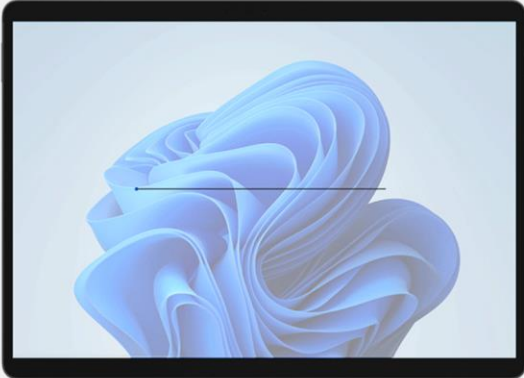
 Preview again

4/5

Previous



Next

Surface



Voice focus

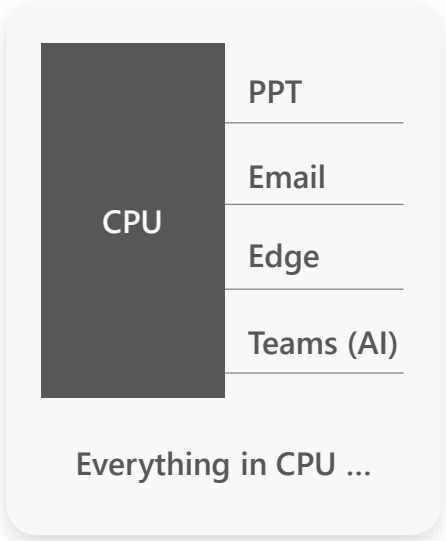
Voice focus removes background noise, making sure your voice is clearly heard.

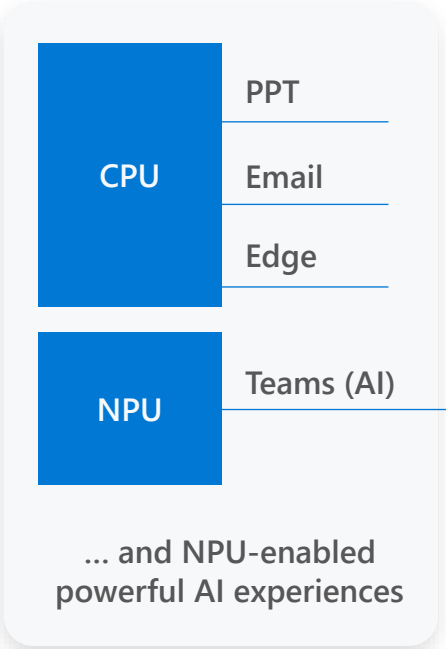
5/5

NPU enabled features on Surface

Before NPU



After NPU



Automatic framing



Enhanced eye contact



Background blur

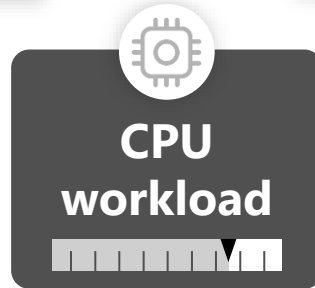
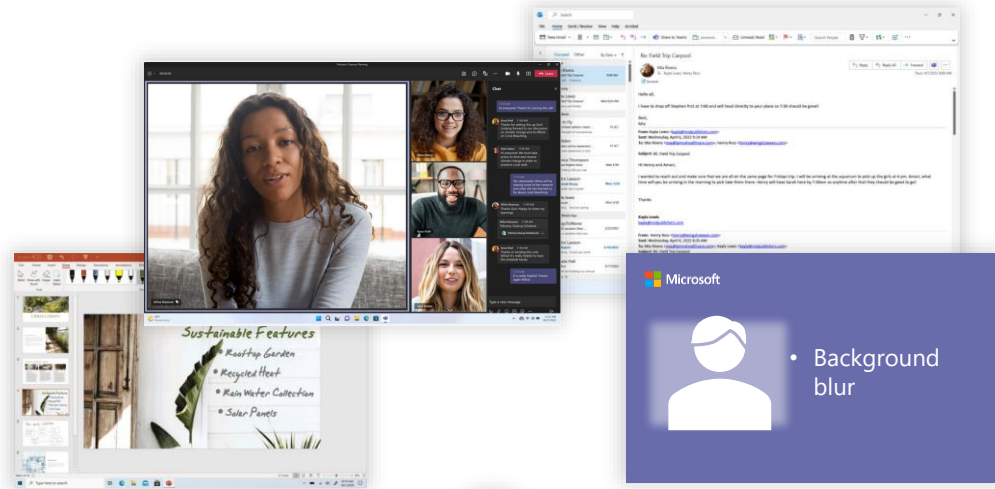


Voice focus

*Enabled on Surface Pro 9 with 5G

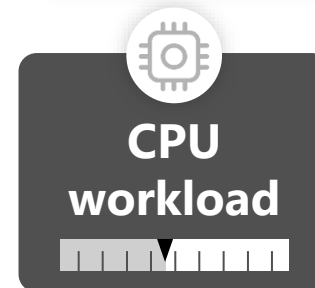
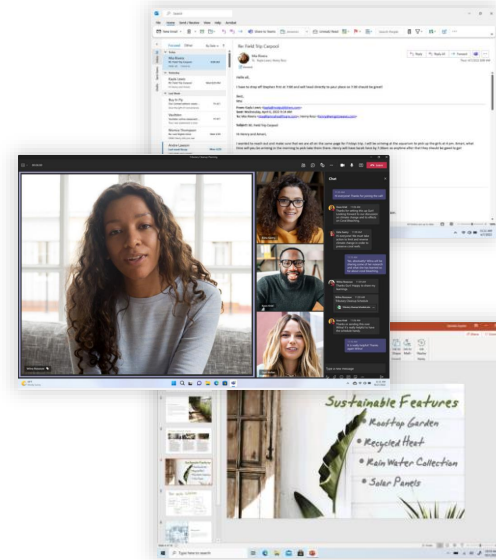
Free your CPU and gain powerful NPU-enabled AI experiences

Without NPU



- PowerPoint presentation
- Outlook
- Teams call
- AI video processing

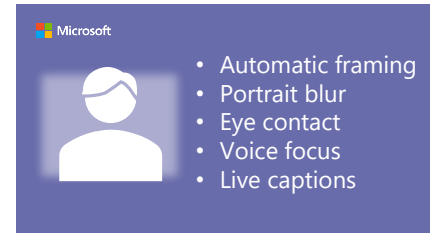
With NPU



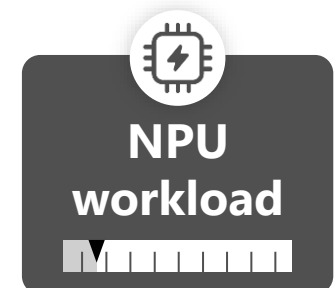
- PowerPoint presentation
- Outlook
- Teams call



Power saved

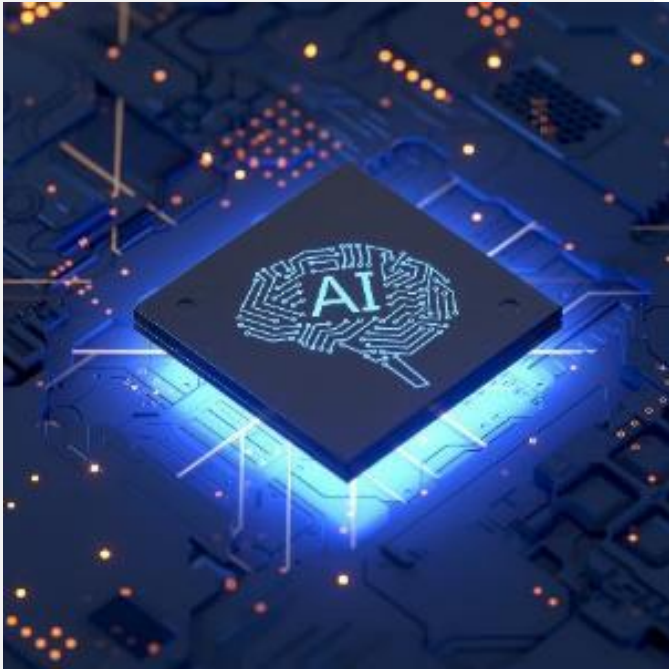


- Automatic framing
- Portrait blur
- Eye contact
- Voice focus
- Live captions



- AI video/audio processing workload on NPU

AI on client



Local processing

- AI features are instantly available
- Reduced reliance on connectivity
- Low latency



Smarter processing

- Enabling work productivity and smarter collaboration
- AI workload on NPU enabling CPU to focus on other workload
- NPU device computation is much more sustainable than cloud computation



Secure processing

- Higher data privacy with Microsoft AI across Windows
- Responsible AI
- Data protected within the device
- More data security

Better background blur with NPU



CPU background blur



Background blur with NPU (Surface Pro 9 5G)

AI on Surface devices

Product	Surface Hub 2S	Surface Pro 9 with 5G	Surface Pro 9 Surface Laptop Studio
Feature	Smart Camera	Windows Studio effects	
Details		Background blur (portrait and standard) Eye contact Voice focus	Voice clarity
Requirements		Windows 11	Teams