

Expand your senses into an immersive world

IoT SMART REVOLUTION:

The smart world is one that you're part of. One you talk with and listen to, and share visual space with. One you're immersed in.

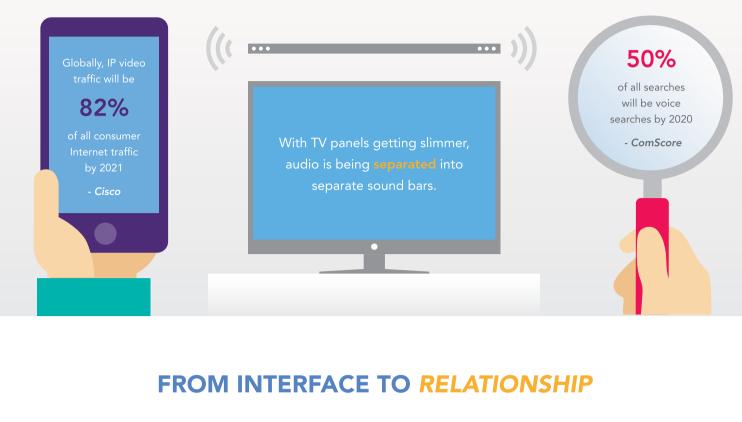
Your intelligence flows effortlessly through gateways and into clouds, as you minutely control your environment. At home, at work, travelling – you're at the centre of a new ecosystem of personalized machines. Human Machine Interface (HMI) solutions stretch across voice, audio, video (with video analytics) and touch. It's a new, intuitive, sensory world.

A NEW LEVEL OF CONNECTION IS HERE



SEARCHING FOR A VOICE

Machines are **learning** to interact with us, extending our capabilities and our understanding as never before. Everything is **designed to help** us do more, more and more easily.



Connecting to the information world used to be just for techies. Then it was doable, but difficult. It became easier, more portable – but always a little unnatural.



Alexa voice service (AVS)

Alexa, make my coffee...

UBIQUITY

NORMALISATION

Dolby Vision

HDR10 (Blu-ray group)

IMMERSIVE AUDIO

LISTENING

and now exceeds human accuracy. The inflexion point

is passed. Increasingly we

talk, not type.

STREAMING AUDIO

SMART HOME

1970

REFERRAL

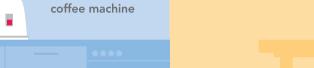
EVERY DEVICE CAN BECOME A GATEWAY

Voice enabled ((()))

Light switch

dimmers

Home hub





HOW VOICE-BASED IOT UPTAKE ACCELERATES

Imagine you have a friend who always listens, knows your habits and preferences and is always ready to help and make life easier. With machine learning/Al, you have exactly that. Interacting with machines is as natural as using your senses.

This is a **friend** you would recommend to others, too.

The network effect soon takes over. Word spreads!

REQUEST

UNDERSTANDING

& CORRECT RESPONSE

RELIANCE &

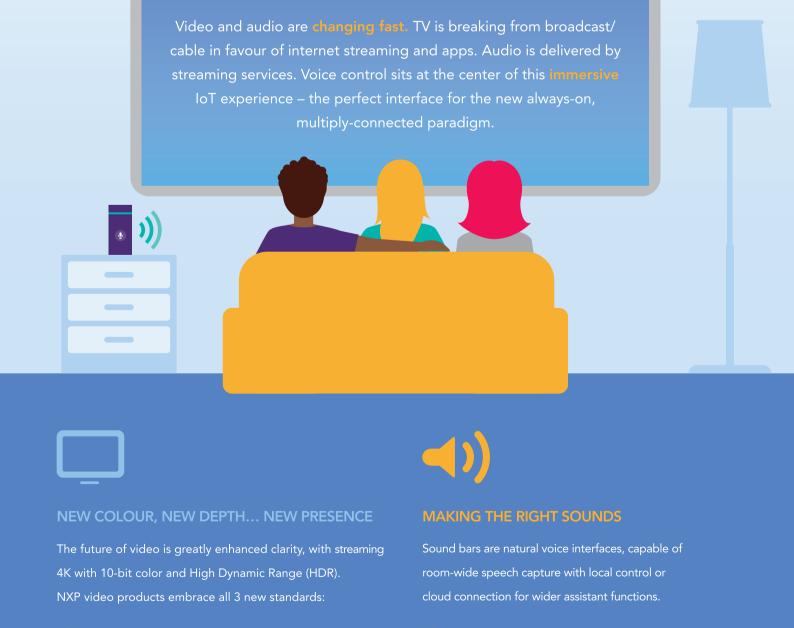
REPETITION

TO FRIENDS TRUST



VOICE IS CENTRAL TO THE NEW

SENSORY ECOSYSTEM





Networked with WiFi and/or Bluetooth

SAY 'HELLO' TO THE IOT

Local control of selected functions

Cloud interface for assistant functions

2010

2020

Immersive surround audio and multi-room capability

Working with leading sector specialists, NXP delivers targeted build solutions across the voice-audio-visual ecosystem with voice control tying everything together.

Natural speech interface from anywhere in a room (far field capture)



1990

1980

2000

NXP is working with the major players in the voice space.

All are committed to fast time-to-market and rapid development of voice controlled to T devices and gateways.

IT'S GOOD TO TALK...

JOINING THE BIG

IT'S GOOD TO TALK...

Make sure you don't fall out of the loT revolution, a trusted technology partner offering leading solutions across the smart ecosphere. From home appliances

Start by visiting

to citywide transport, we have the knowledge and the cutting-edge experience to maximise results.

The barriers between people and machines are dissolving. Interacting with the automated environment is now an immersive sensory experience.

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