



BMW

# COEBOX

X1 SERIES

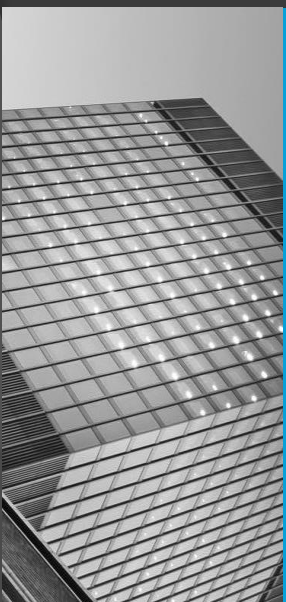
NEXT GEN COLLABORATION & COMMUNICATION BOX

# ● WHAT ARE TRENDING...

COBOX


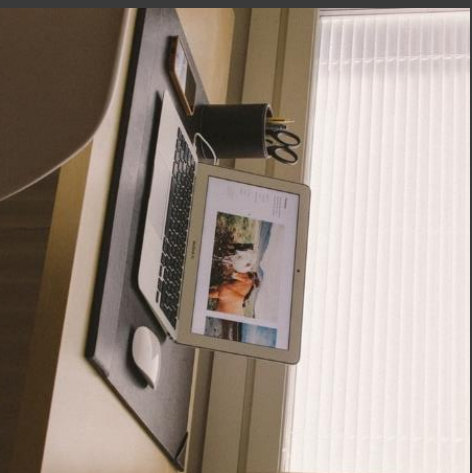


- IT Convergence – IP network, wireless, 4G / 5G
- IT Consumerization – internal and external, ROI, customer service / intimacy, customer retainment



- Collaboration – smaller team, business work flow, relationships
- Cloud Services – virtual, private and public, subscription based
- Eco-System – legacy investment, old user habit, reliability

# ● SUPPORTING ...



Equipment – laptop, tablet, smart phone, appliance PC, legacy VC

**EQUIPMENT**



Spaces – conference room, co-work space, collaborative huddle space, coffee shops

**SPACES**



Network – broadband, wi-fi, 4G/5G, bluetooth

**NETWORK**



Content – user (some AI-ness), data, media

**CONTENT**



## ● CURRENT AND LEGACY ...

*CURRENT and "not so smart".*

Device (more like an accessory)

- Video Soundbar
- Camera and USB Speakerphone
- Need PC or BYOD
- Require cloud services
- Price: USD \$700 - \$2000

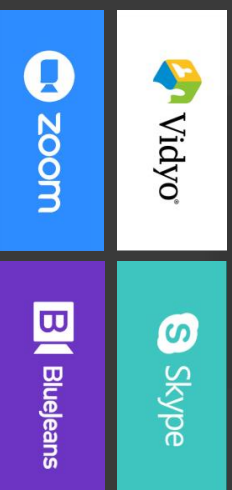


*LEGACY and Traditional*

Codec...H323 and SIP ONLY

- Expensive HW
- Gateway for UC cloud
- Price: USD \$2000 - \$30,000

# X1 Series



- H264
- H264HP
- H265



X1 is a new generation of all-in-one Collaboration & Communication BOX with built-in 4K camera and microphone. It supports wired, Wi-Fi/4G wireless interconnection and facilitates the rapid deployment and use of huddle-type conference rooms.

*It is the best choice for small video conference room deployment.*

## Plus... ...local or remote wireless presentation system



- Others... – expensive \$1000 - \$3000
- Each USB dongle > \$150
- Expensive
- Complicated to use as it needs corporate LAN/WIFI access
- Guest use is limited

... for local or/and remote



Intelligent collaboration terminal with "plug n play" USB dongle for local or remote presentation wirelessly

# ● Introduction X1 and X1 Plus

Remote control, easy to operate and use

Built-in echo cancellation microphone

H323 and SIP Codec without need of cloud services, or...

Integrated design, simple placement on top of any display

Dual screen output for a variety of meeting types

Simple interface design, convenient for your conference organization

Adapt to multiple video software vendors (Zoom, Skype, TEAM, Bluejean...)



# ● Functional Characteristics

4K HD camera, support 4K and 1080P/30 HD resolution \*\*

Wireless document sharing (optional), support for document or screen sharing up to 1080p30 with audio

Intelligent voice, voice call

H.235, SRTP, TLS, HTTPS, multiple security encryption measures, self-supporting property rights chips, guarantee operation

Extreme ultra-HD experience, up to H.265 protocol, saving 50% bandwidth

Wireless access, support for WiFi and 4G \*\*, ensuring smooth mobile communication

Super network adaptability, V-Link 30% anti-lost processing technology

\*\* future plan... supports 4K video; Integrated 4G as option

# Specifications

<b>CPU</b>	CPU	Dual-core Cortex-A72 + quad-core Cortex-A53 processor
	RAM	16G
<b>camera</b>	Digital Zoom	4X
	Image Sensor	1/2.3 inch CMOS、1230CMOS
	Video protocol	Support H.265、H.264、H.264MP、H.264HP
<b>Codec</b>	Codec capability	H.265 4K Mainstream +H.264 1080P 30fps Auxiliary flow
	Input interface	1*HDMI
<b>video</b>	Output Interface	2*HDMI
	Input interface	3.5mm MIC in + 3.5mm Line in + HDMI
<b>Audio</b>	Output Interface	3.5mm Line out + HDMI
	Interface Type	1*USB 3.0 + 2*USB2.0 +1*USB TYPE-C
<b>USB</b>	4G	4G-LTE, TD-LTE
	Wi-Fi	Dual Band 2.4GHz/5GHz,802.11a/b/g/n/ac
<b>Network Type</b>	IP	10Base-T , 100Base-TX and 1000Base-T IEEE802.3
	Bluetooth	Bluetooth 4.0+ EDR (enhanced data rate)

# External interface



<b>Audio input</b>	1*3.5mm MIC in + 1*3.5mm Line in + 1*HDMI
<b>Audio output</b>	1*3.5mm+2*HDMI
<b>Video input</b>	1*HDMI , Built-in 4K Ultra HD camera
<b>Video output</b>	2*HDMI
<b>Network interface</b>	10Base-T/100Base-TX/1000Base-T IEEE802.3 1*RJ45
<b>USB</b>	1*USB 3.0 + 2*USB2.0 +1*USB TYPE-C
<b>Other interface</b>	1*SIM Card slot , 1*TF Card slot

## Wireless projection / CP50 (Optional)

- Plug and Play Dongle, zero configuration
- Desktop sharing without messy cables
- Multi-Users with one click selection to present
- Support desktop audio transmission
- Secure coding and reliable information transmission
- Window and Mac OS Support
- 1080P30 Support



## AM30 Digital interface Microphone (Optional)

- Advanced audio pick-up technology, superior anti-interference and excellent sound pickup performance
- 120-degree 6-meter pickup, lossless broadband audio transmission
- Plug and play support for CoBox , enhancing high-fidelity sound quality and experience for different venue and room environment
- Intelligence for voice command and control



# Application scenario

## Clean Deployment, No Wire



Dual monitors



Single monitor

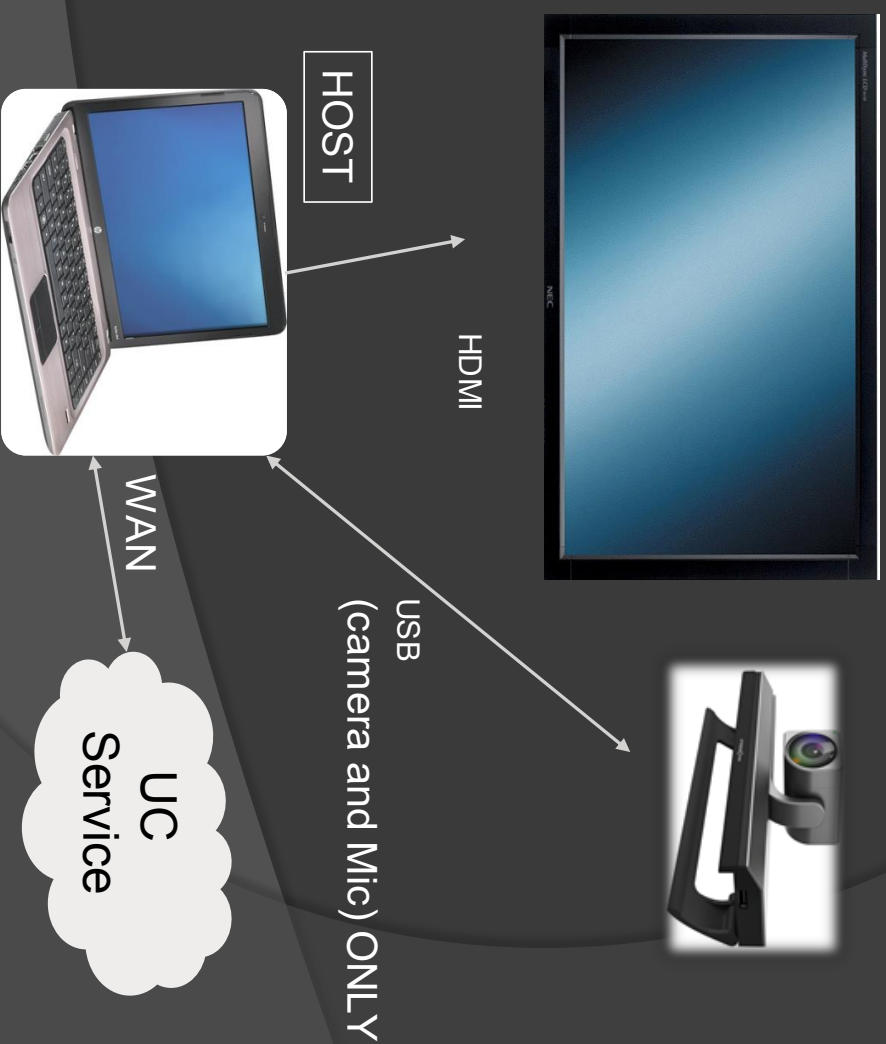
Huddle room 2-4-6 participants

Small conference room 6-8-10 participants

## 2 Deployment Scenarios – for UCSaaS

(1) X1 **NATIVELY** running Zoom, TEAM, Skype, Bluejeans, etc...

(2) No computer in the room – BYOD



# Application scenario

## Local Presentation Solution



**OR**

**Media with Audio at 1080p at 30fps**

**Corporate. Any size meeting room, corporate boardroom, Education. Any size classroom, lecture hall**

**Data Presentation at Ultra Hi-Res at lower framerate**



# Who is BW?

- BW is a R&D company based in Hong Kong. Founded on belief that collaboration and media communication device can adapt to new trends and use-cases, benefiting across the user spectrum while taking advantage of the latest technologies. Taking down cost, cultural, social, and generation-gap barriers.
- BW stakeholders combined for over 80 years of experiences in videoconferencing, digital signal processing, and network – in research and design, product development, business development and sales.

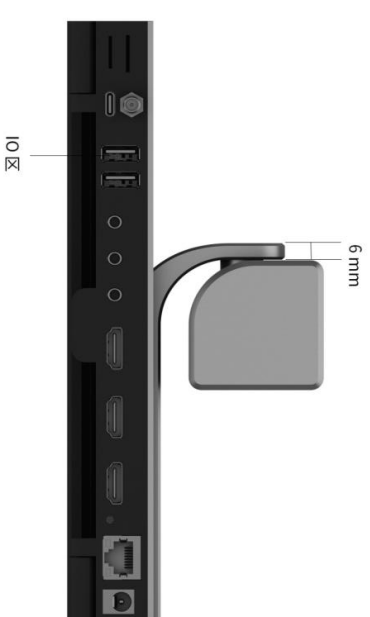
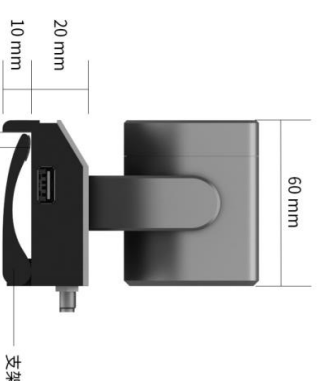
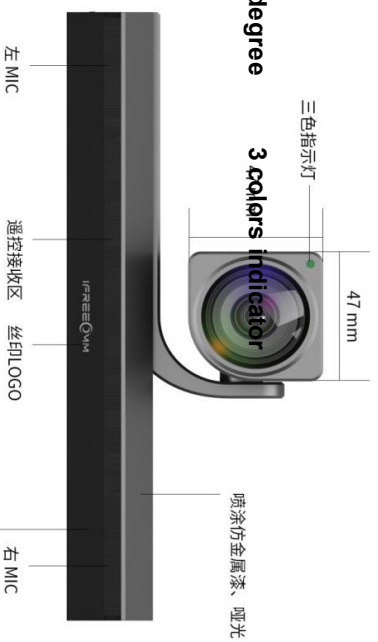
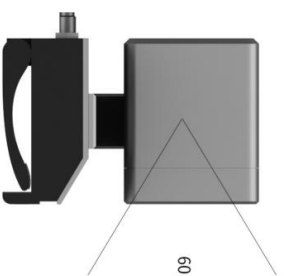
# Trailer...

- USB to other USB speakerphones
- Bluetooth to other Bluetooth speakerphones
- Voice Commands via AM30 (H323ONLY) – camera control, audio control, mute
- QR Scan code to start meeting (H323 ONLY)
- H323 Soft client on IOS / Android on smart mobile devices



COBOX  
COBOX

# Appearance



Right Mic

Texture: smooth shiny black paint