# Canvas _

Collaboration is a need of the hour

Post-COVID organizations have become flexible with the working patterns of the teams. Most teams have chosen to perform in a hybrid mode, and they are spread across nations. Companies can now tap the top talents of the niches with resilience. Teams are used to connecting physically in the office space and exchanging their ideas but now it is not possible to ideate together with the existing outdated video conferencing solutions with mediocre collaborative tools. Teams need innovative and feature-rich collaborative communication solutions to intensify productivity and generate expected outcomes.

Bird AI
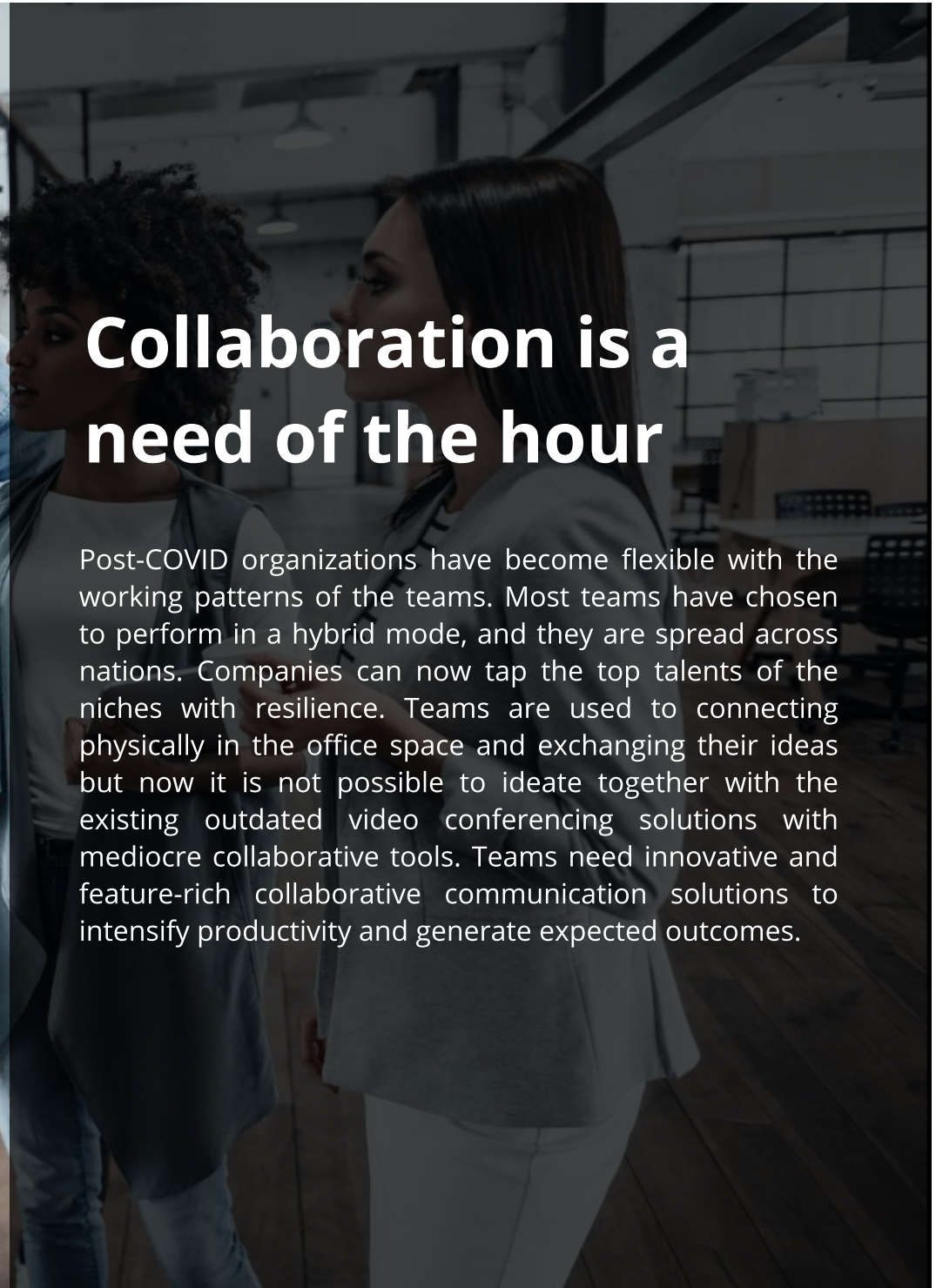
Current VC solutions fail to offer

Too many businesses have conference rooms that are inadequately equipped with outdated technology, necessitating additional work to prepare visual aids and ideas for sharing, messy strokes on an erasable whiteboard, and laborious note-taking processes by participants.
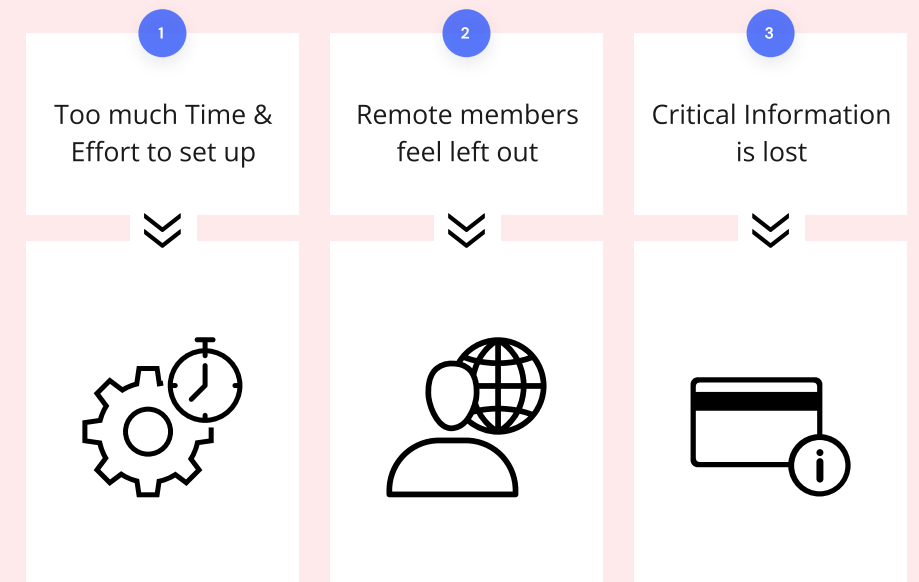
A video conference in these ill-equipped spaces forces coworkers crowding around a monitor, peering over each other's shoulders, taking notes, and adding remarks during downtimes in the conversation—comments that are frequently incomprehensible due to the computer's subpar camera and microphone.

Existing Meeting room Setup

Official Recommendation for Zoom Rooms Setup

Your Network

Camera 🔌 USB 2.0   Audio 🔊 RJ45/CAT5e   Video 📺 HDMI   Controls 🔗 RJ45/CAT5e   Controls 📶 WiFi   Controls ᛒ Bluetooth

Challenges

1
Too much Time & Effort to set up

2
Remote members feel left out

3
Critical Information is lost

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Introducing Canvas

Canvas is a world-class technology that redefines the meeting room experience. The collaboration display is well designed to engage the participants in the video meetings with excellent collaboration tools and enhance productivity. Canvas is an advanced interactive display that brings out the team's true potential and has everything that effectively drives the co-creation process. The flexibility and interoperability of the device enables the team to connect seamlessly across all the video conferencing applications. Canvas is a ready-to-use video conferencing interactive display. Just plug in the power cord, and it is all set to use.
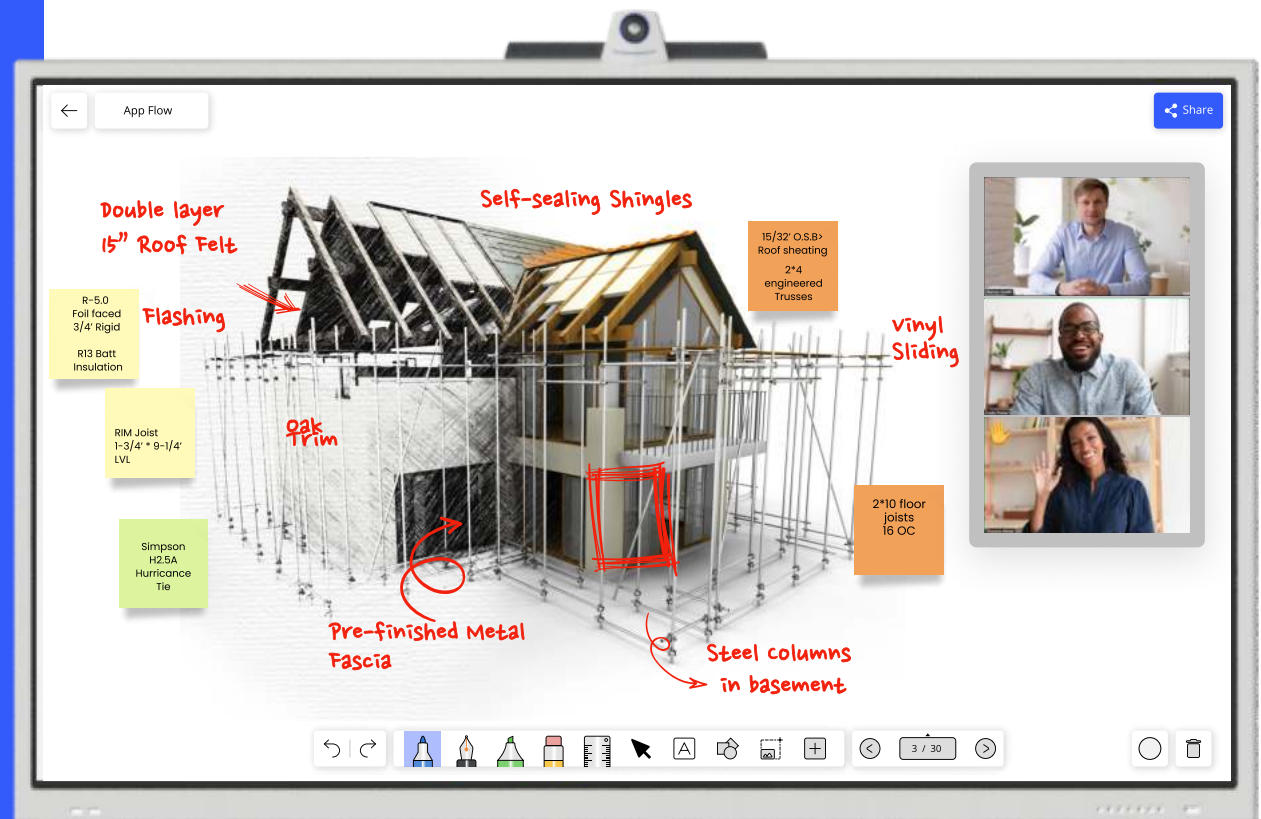
Digital Interactive Board

Video Conferencing

Wireless Casting

Interoperability

Our striking features

A revolutionary eye-popping design

A slim and narrow pearl white bezel with strong and light aircraft-grade aluminium that seamlessly integrates with the walls of the meeting room and enhances the look and ambience. The ports at the front side give extra scope to the users to connect to other devices and bring the additional content effortlessly onto the display.
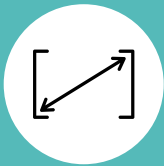
Larger and brighter display

The bright 4K UHD display of 65" to 75" screen gives an amazing viewing experience. The display on the Canvas does more than just display content. It leaves an exceptional impression on the participants with visual clarity in images. The 4K UHD display offers more detailed images even in bright meeting spaces.
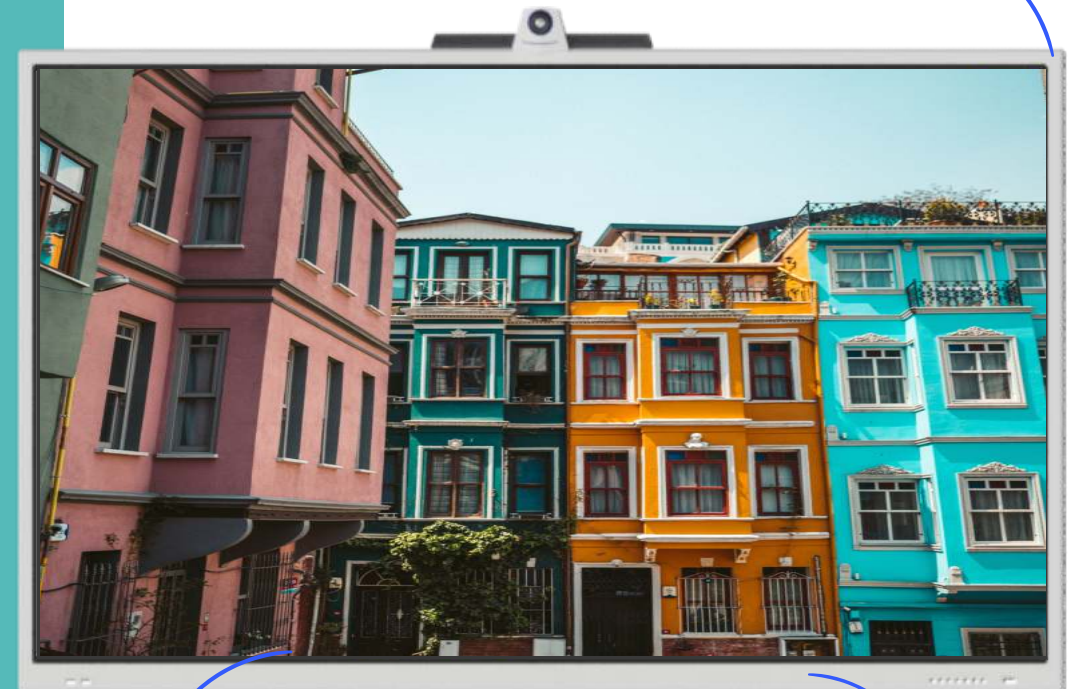
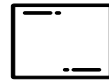A slim and narrow pearl white bezel

The bright 4K UHD display

65" / 75" / 86"

Bird AI

Anti-glare coating

Ergonomic stylus

Anti-glare coating to reduce reflection

Anti-glare coating is a distinguishing feature that transforms a reflecting glass surface into a matte, non-reflective one. It has a lower reflectance than conventional glass. This technique produces a clean and transparent visual impression, allowing the attendees to have a superior sensory vision experience.

Ergonomic stylus to annotate

The ergonomic stylus design complements the device and gives more comfort and ease to the writer. It is responsive and precise for a smooth writing experience. You can write confidently and clearly with improved accuracy.

Extra ports for additional output

The extra USB and Type C ports on the front side of the display make it easy for the users to instantly bring additional content onto the screen and add to the ongoing video conferencing. Connecting a laptop or any device with a single cable with the Type C port is easy.

Stereo Sound output

The Canvas is a super effective device in a meeting room with dual front-facing 15W speakers. Even the subtlest voices of the remote participants are clearly heard in every meeting space.

Simple setup process

Canvas gives you the freedom and flexibility to interact in whatever way you want in the future. Canvas was created today to provide you with all you need in your video conferencing applications. With only one power cable required for setup and the option of a floor stand with wheels, wall mount, or table stand, it is simple to set up.

Bird AI
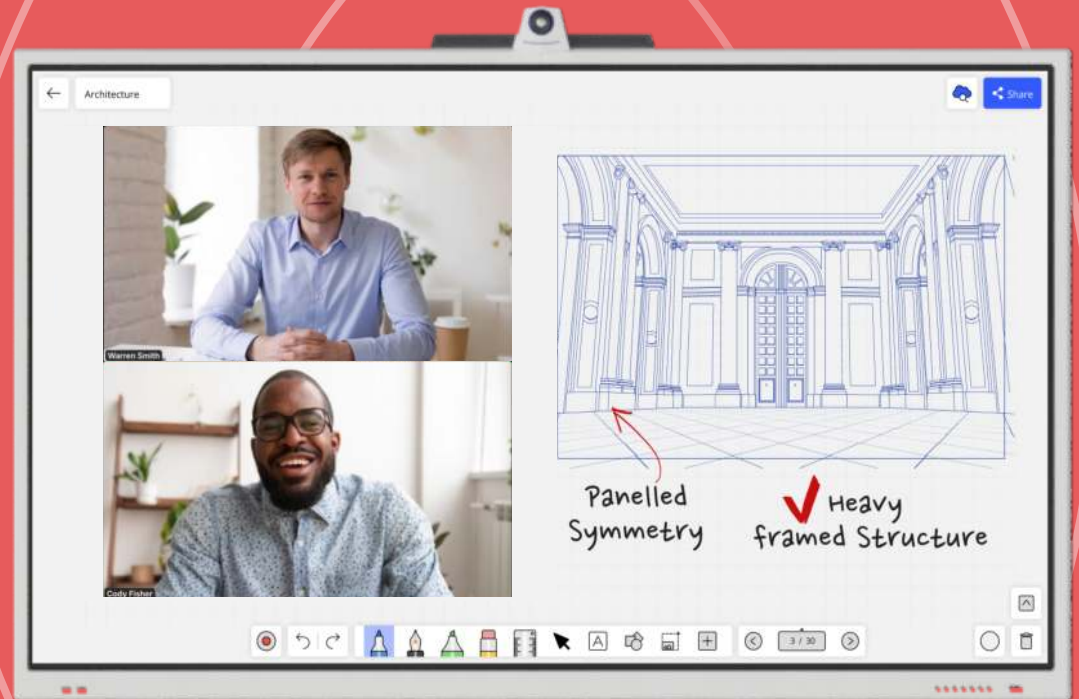
Ultra-smooth and real-time writing experience

The system has the most advanced writing algorithms to deliver extraordinary writing performance. The zero gap between the display and writing surface gives the users the feel of a pen on paper. The ten multi-touch points allow multiple users to annotate on display simultaneously.

Multi-Touch Point to come together with ideas

Canvas simply and stylishly manages the highly collaborative needs of today's workplace space with ten multi-touch points. Collaboration is a joy with interactive touch screen displays. Multi-touch features allow multiple users to interact with onscreen content as a group. It's an excellent approach to generating ideas, and presenting and examining the content of a text or a picture.

Multi-Touch Point to come together

Erase content with a palm swipe

### Erase content with a palm swipe

The palm erases option is available on Canvas. Using their hands, users can easily erase writing and drawings. The automatic palm erasing mechanism enhances the whiteboard experience for users by allowing for effortless writing and erasing.

Bird AI

Built-in feature-packed collaboration workspace

All the defining factors of perfect collaboration are packed into one suite, TeamHub. The necessary tools are condensed to achieve the highest productivity. Anyone from anywhere can contribute to a brainstorming session effortlessly.
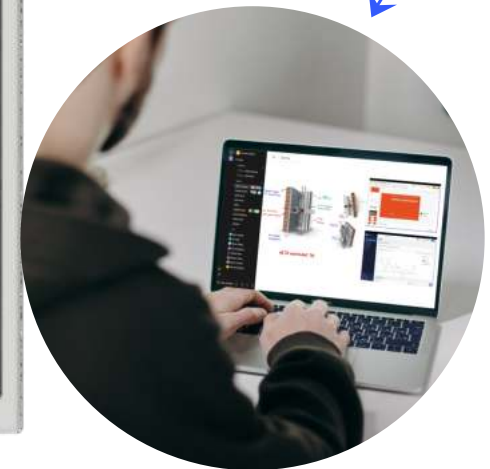
Remote Users
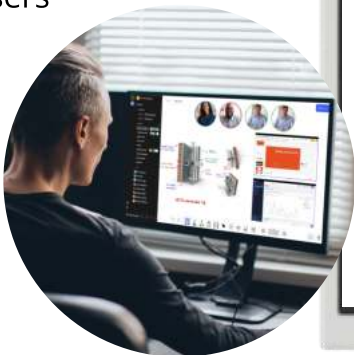
Save & Share

Scan QR Code

App Flow

Collete

Armando

Christoper

Double layer 15" Roof Felt

Steel columns

Pre-finished Metal Fascia

R-5 Foil Faced 3/4" Metal Fascia

Vinyl Sliding

R-13 Batt Insulation

Vinyl Sliding

Double layer 15" Roof Felt

Steel columns

Weekly performance

3 / 30

Bird AI

Pen Tool

Pen Tool gives you a delightful writing experience. Annotate on the canvas and images. Describe the images and graphs clearly during the meetings. Users can select the pen thickness and choose according to the requirement.

Document

Existing courses and presentations can be readily imported into the software via PDF, Docs, and PowerPoint importing features.

Zoom in- Zoom out

Show more detailed images and content. Hand gestures can zoom in and out of the page image and extend the writing area.

Colors

Users can select different colors to make notes. Writing with different colors can make the explanation attractive and easy to follow. Using separate colors for every other part of the context

Multimedia drag and drop

Drag and Drop feature allows you to integrate images, videos, renderings, and other multimedia into your lesson planning and presentations from the search option to ideate with various digital content.

Web browser

The Canvas gives the option to the users to open browser inside the whiteboard. Users can open relevant websites, images or videos.

Highlighter

The highlighter tool can bring the reader's attention to significant information and be processed better. Highlighting works efficiently because it invites the reader to pick out the most important sections first and then conveniently evaluate that information later. You can choose colours from the software's multi-colour plate to highlight important points.

Bird AI

# Wireless Casting

Wirelessly display and share content on a large screen without any additional technology. Users can mirror their screen or wirelessly cast documents, images, and animated videos from their PC, tablet, or smartphone. Canvas supports casting up to four screens at the same time. It's never been easier to bring your own device. Canvas supports casting through MiraCast and AirPlay.

Get all your work done in one place

Canvas works well with any of your favourite application. Users can download any video conferencing, project management, visual designing & many other applications directly on the display and use it during the meetings.
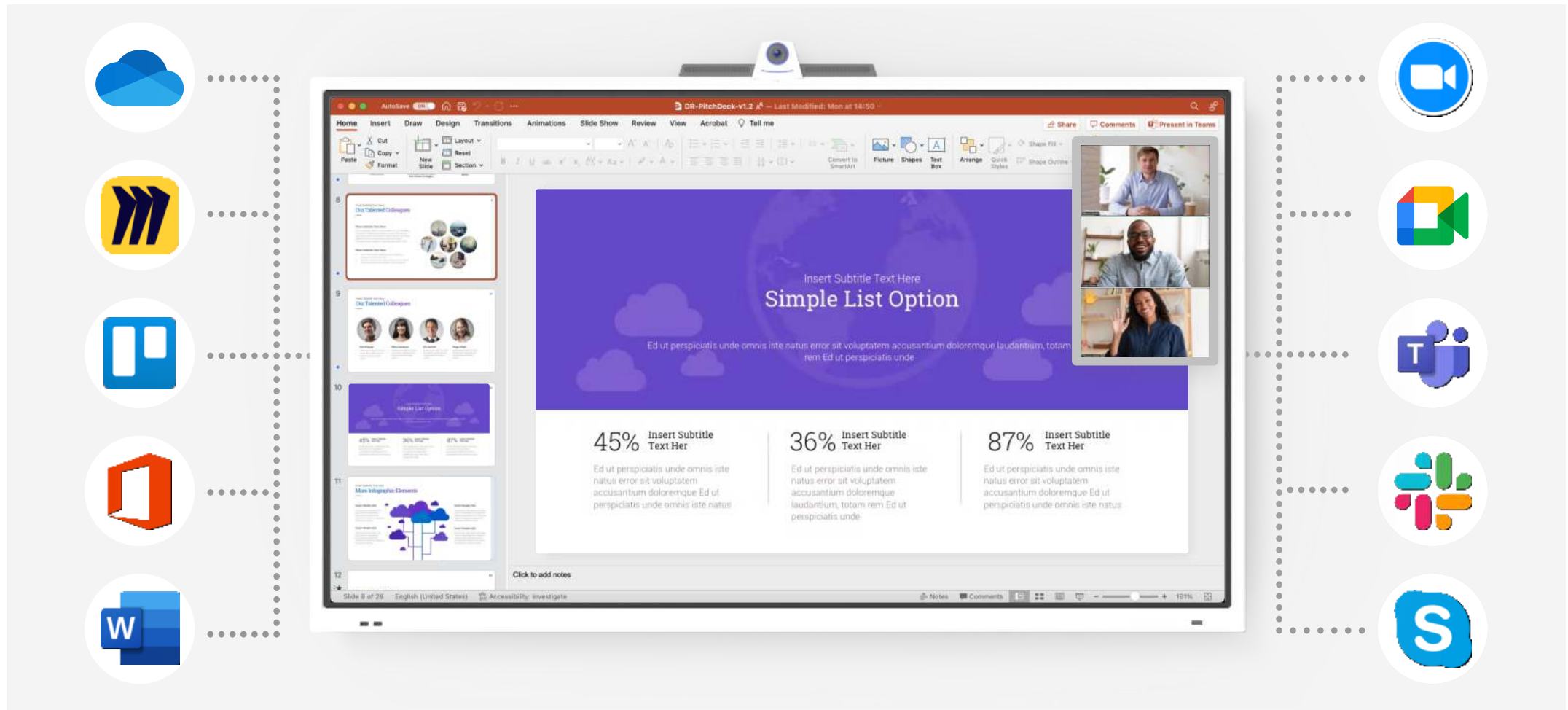
Immersive Video Calling

Canvas Vision Technology

Canvas' vision core is the most advanced camera encrusted with sensors to offer extra intelligence to the vision engine. Bird AI's vision core 4K can become the perfect alternative to all the existing suboptimal cameras in video conferencing devices.

Get that extra inch of quality picture

The Bird AI's 4K ultra-HD camera is astronomically great and delivers crisp, groovy, and beautiful imagery to remote participants. The camera can capture video more clearly and display more detailed picturesqueness of the meeting space. The camera can pack more pixels into the lesser area providing extremely rich output.

Bird AI

Never worry about substandard lighting conditions

HDR technology can mitigate the effects of poor lighting in the meeting space and produce high-contrast images preserving the natural skin tones of the attendees. It keeps the users less disturbed about the low light quality, direct sunlight and direct lighting cases. Ambient light sensing technology can optimize the video output and take it to the best levels.

Artificial Intelligence to turn camera into a pro

The vision core of Canvas is incomplete with the terrific sensing abilities of the camera. Canvas camera is a masterpiece of work with built-in auto framing with AI assistance. The state-of-the-art AI can track the motion of the participants and keeps track of them moving in and out of the meeting space. Generating the analytics of the meeting room is smooth and simple.

AI FRAMING DIRECTOR

Ordinary VC Camera   Bird Camera

Bird AI

AI-powered Microphone Technology

Canvas has revolutionary microphone technology to make it a futuristic video conferencing device that can be deployed in any meeting space with zero per cent ambiguity. The intelligent microphone of Canvas collects the right audio data for processing and refinement using well-written algorithms to magnify the output unimaginably.

Air the subtlest voice with utmost clarity

The 180° arrangement of quad MEMS adaptive beamforming microphone array can capture the spatial features of speech and pick up the subtlest voices with the highest clarity from all directions. With a wider array of microphones, the Canvas has the industry's best pickup range of 8m. Adaptive beamforming ability allows the microphone array to capture a high-quality and intelligible signal from the source.

Enjoy the two-way conversations seamlessly with noise cancellation

The microphones can actively cancel the background noise and pick up the speaker's voice with highest precision. Even in intense background noise, noise suppression algorithms are optimized in Canvas microphone arrangement to retain speech fidelity. The Acoustic Echo Cancellation (AEC) can prevent the speakers from hearing their own voices, thus enhances the two-way conversational experiences to the participants.

Pick range up to 8 meters

Bird AI
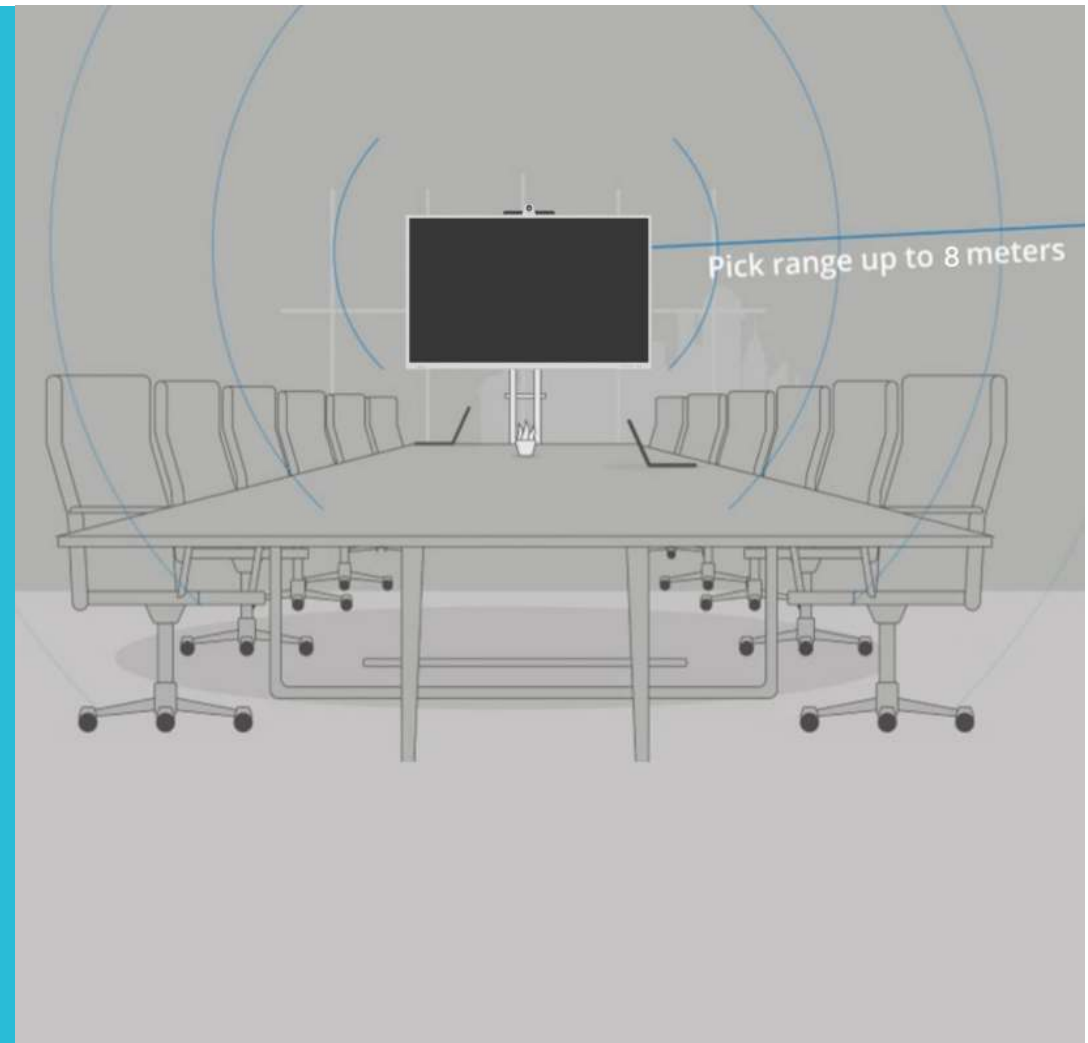
Automatic Gain Control (AGC)

AGC keeps the audio output level within a targeted minimum-maximum range by adding gain to speakers whose voices are quieter and reducing gain on the signals from speakers whose voices are louder.
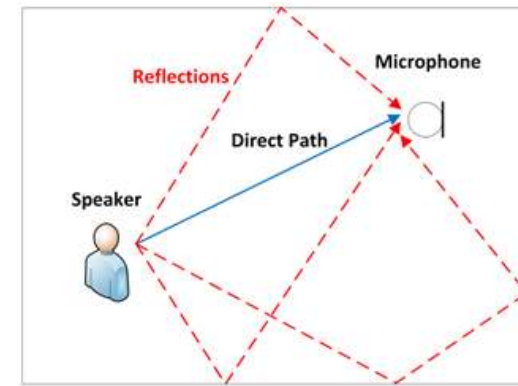
Without AGC (participant who speaks loudly is heard more)

With AGC (every participant is heard with equal clarity)

De-reverberation

De-reverberation is the process by which reverberation effects are removed from sound after microphones have picked up such reverberant sound.

Reflections
Microphone
Direct Path
Speaker

Built in DSP

Built in Digital Signal Processor (DSP) does adaptive beam-forming, which detects and tracks the desired voice source and reduces the interference, increasing the signal-to-noise ratio.

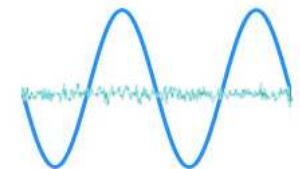Pinpoints the direction of sound and then amplifies it.
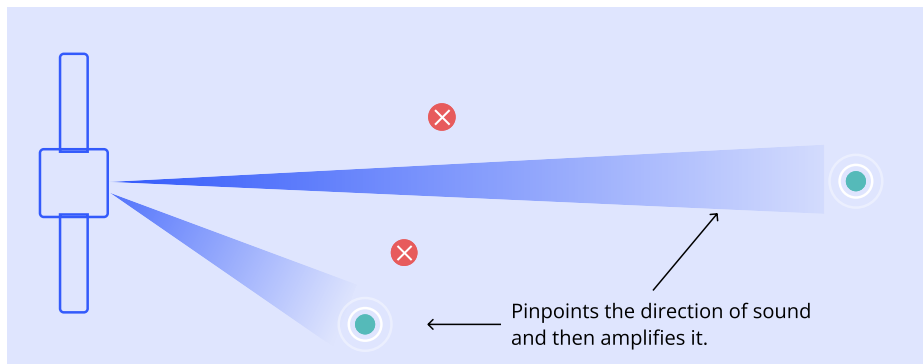
Noise Suppression up-to 15db.

Bird reduces the unwanted sound by actively detecting the white-noise based on the signal properties and filtering it out, this aids in increasing the audio clarity.
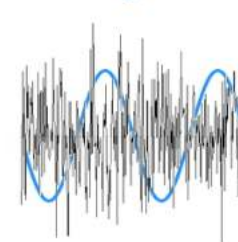
Bird Device
Filters out noise
by inverting noise

Sound with noise

Sound without noise

Processor to magnify your meeting experiences

Canvas offers smooth, lightning-fast computing and responsive touch capabilities with its powerful Hexa-core **3.2 GHz ARM processor**. The processor capability defines the functional efficiency of the device. It facilitates jazzed-up meetings with interoperability and a lag-free experience for the participants.

Download applications to support operations

The ability to download applications from Play Store enables seamless communication and knowledge transfer. With the functionality of being able to download applications just like one does on a laptop/PC. Canvas enables the team to ideate using tools such as Trello, Miro, and OneDrive.

Play Store   VC Applications
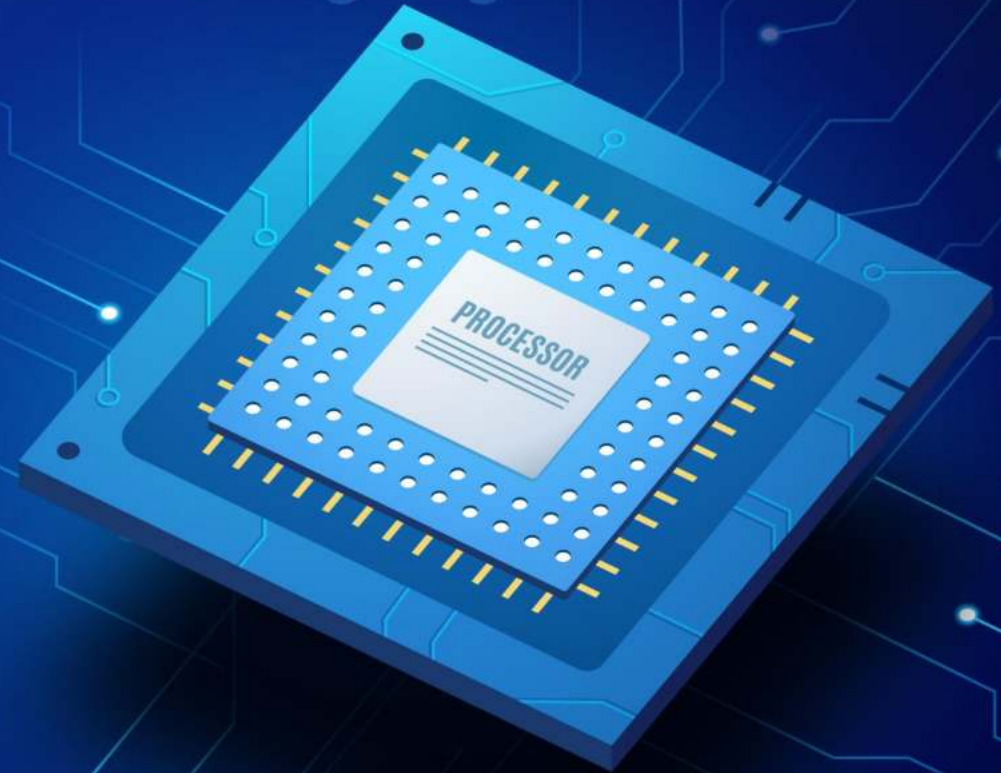
Seamless Compatibility with all VC applications

Canvas allows users to download the application of their choice and launch meetings instantly from their favorite video conferencing platform. Users can experience lag-free video calls on any of the VC applications with a powerful hexacore 3.2GHz ARM processor.

Launching Meetings is now Super Easy

Ambient Mode Meeting Technology

It is always an embarrassing moment for the facilitator to enter the login credentials in the meeting room in front of other participants. Bird AI has developed an exclusive and innovative solution for overcoming the problem. You can create a special ambient card on your mobile by scheduling the meeting on the Bird AI website before entering the meeting room. The Ambient card consists of a QR code. As soon as you enter the meeting room, select an option to scan the QR code, and the system displays all your meeting details and recognizes the video-conferencing application. Verify the details and launch the meeting from your favourite application.
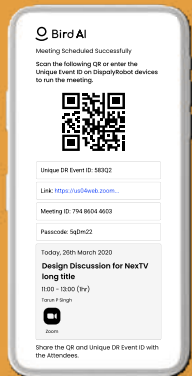
Goto - https://canvas.birdai.com/meetings & schedule meeting → **Walk-in to meeting room** → **Scan QR code** → **Launch meeting without entering any details on device**
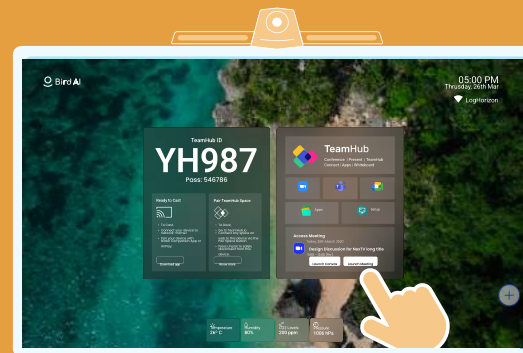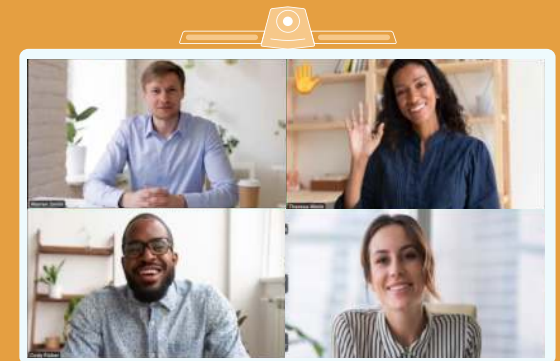
Bird AI

A Single Cable BYOM Solution

Canvas supports Bring Your Own Meeting (BYOM) scenarios – users connect their own devices via a USB-C cable to immediately share content and start video meetings. With HyperC Technology, Canvas declutters the workspace by replacing video, audio, power, and USB cabling with a single cable to connect and charge any PC or laptop.
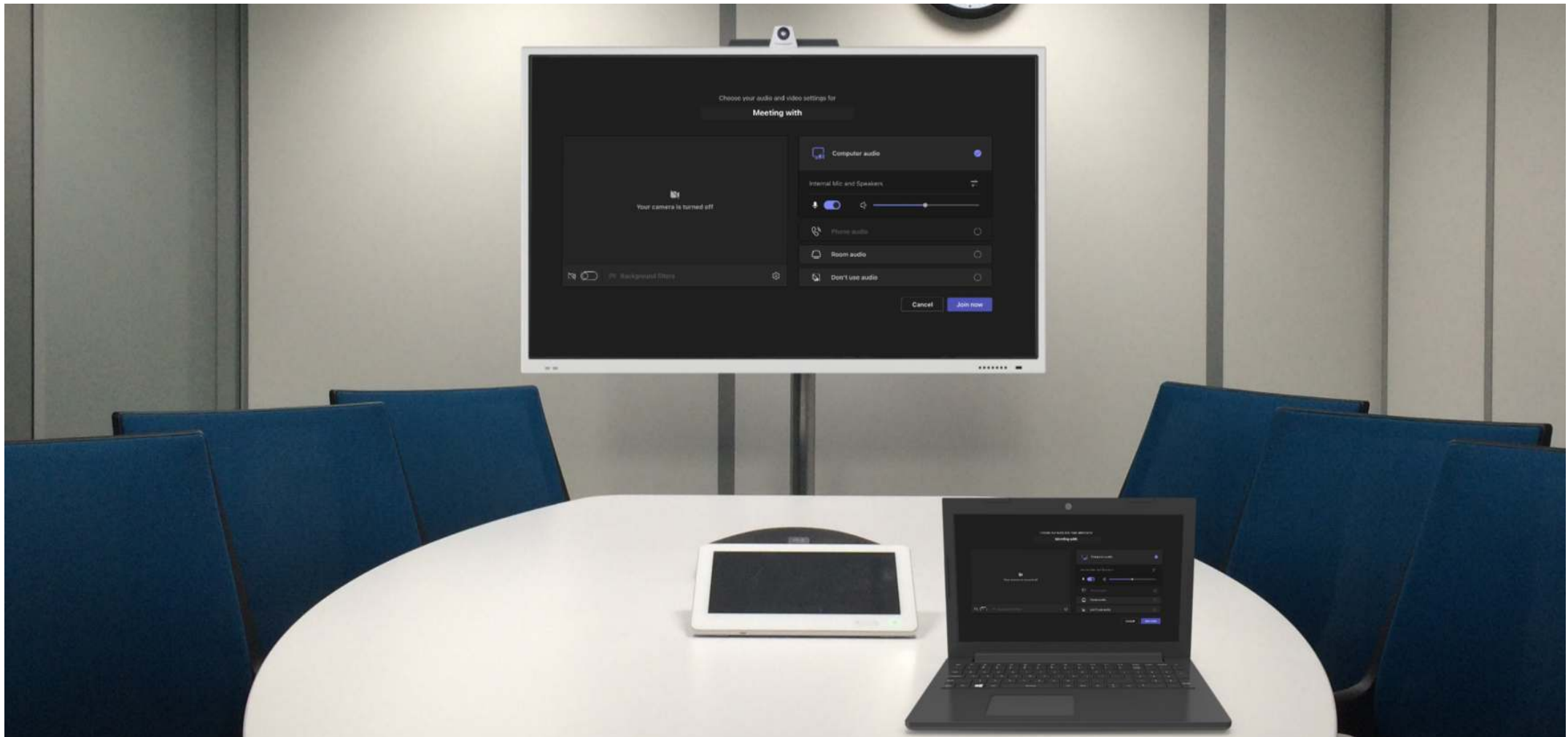
Use in multiple meeting spaces

The Canvas gives you various mounting choices, so you may choose where to meet. The Canvas is the best choice to get the most out of your investment in video conferencing and remote meetings. It has a variety of features, including a tabletop stand or feet, wall mounting, and the adaptability of a mobile AV cart.

Huddle Room

Meeting Room

Use in multiple meeting spaces

The Canvas gives you various mounting choices, so you may choose where to meet. The Canvas is the best choice to get the most out of your investment in video conferencing and remote meetings. It has a variety of features, including a tabletop stand or feet, wall mounting, and the adaptability of a mobile AV cart.

Training Center

Design Houses

Canvas Specifications

Bird AI

(LX)			Android Collaboration Display (AX)	Windows Collaboration Display (WX)	USB Collaboration Display (LX)
Finish			Pearl White		
Material			Aircraft grade Aluminium		
Available Sizes			65" & 75" (READY) + 55" & 86" (UPCOMING)		
Display	Resolution & Refresh Rate		4K Ultra HD IPS Display with 60Hz refresh rate, for smoother 4K content viewing.		
	LED View Angle		Direct LED, HDR Display, with wide viewing angle of 178°(H) / 178°(V). Designed for Clear viewing even in compact spaces.		
	LED Lifetime		LED lifetime of 50,000 Hours.		
	Surface		Matte finish Surface with MoHS Level 7 hardness, sustain impacts reduces light reflection from windows and ceiling.		
	Backlight Type		DLED- gives a much better viewing experience with an evenly lit display		
	Contrast Ratio		1200:1 produces deeper and more detailed shadows and brighter, more vibrant light, creating a significantly more "real" feeling image with more perceptible details		
	Brightness		Screen Brightness 450 nits (Typical) for 65" & 75" Display. 400 nits (Typical) for 86" & 98" Display.		
Touch Systems	Technology		Advance Infrared Surface Light wave Technology		
	Touch Points		20 Simultaneous touch points		
	Touch Resolution		32767x32767		
	Accuracy		±1mm		
	Response Time		8ms		
	Touch Object Size		1.6mm		
Chipset	CPU:		Combined 3.2 GHz (Hexa-core): Dual-Core ARM Cortex-A72 MP Core (1.8 GHz) processor + Quad-core ARM Cortex-A53 MP Core (1.6 GHz) processor	"Intel® Core™ i3 / Intel® Core™ i5 "	-
	GPU:		ARM Mali-T860MP4 GPU, support OpenGL ES1.1/2.0/3.0, OpenCL1.2, DirectX11.1., Embedded 4 shader cores with shared hierarchical tiler	Intel® Iris® Xe Graphics- 1300 MHz., Direct X 12.1, OpenGL 4.6, eDP- On panel 4096x2304@60Hz	-
HyperC Support			Single USB Type C Cable from IFP to Laptop/PC/Mac to get Laptop Display on Panel along with getting access of Panel Touch		
Speakers			Hi-Fi, Stereo Sound output with 15W x 2, with 8Ω impedance. Bass reflex with dual passive radiators.		
Supported Video Formats	Decoders		Real-time video decoder of MPEG-1, MPEG-2, MPEG-4,H.263, H.264, H.265, VC-1, VP9, VP8, MVC		-
	H.264		H.264 10bit up to HP level 5.1 : 2160p@60fps (4096x2304)		-
	VP9		VP9 : 2160p@60fps(4096x2304)		-
	H.265		H.265/HEVC 10bit: 2160p@60fps(4096x2304)"		-
Wireless	BT		Bluetooth 4.0	Bluetooth 5.0	-
	Wi-Fi		802.11 a/b/g/n –	Wifi -6E (802.11 ax)	-
			Dual Band 2.4G and 5GHz- with Built-in Hotspot		-

Software & OS	OS	Bird OS, designed for security and simplicity, Based on AndroidTM OS 9.0	Windows 10 OS	No Built-in OS, Connect via single HyperC to any PC/Mac
	Wireles Presentation	Wireless Presentation: Built-in support of AirPlay (For iOS & MacOS) and Miracast (for Android & Windows)	-	-
	Multi-Device Casting	Multi- Device Casting: Simultaneously support 4 Devices Upgradable via License to 9 Device support.	-	-
	AiCanvas	White-boarding tools (Pen, colours, Highlighter and Eraser, Multi-background)		
		Creativity Tools: Smart Draw, Shapes, & Geometrical Tools (Ruler, Protractor Compass)		
		Presentation Tool: Screen Curtain, Spotlight, Presentation mode		
		Productivity Tools: wireless Document & Media import, (Docs, sheets, PDF, slides), Stopwatch & Document Scanner, Snipping tool		
		Collaboration & Ideation Tools: Share canvas, Live online cloud Collaboration, Live cursor tracking for remote user, Presentation mode for page control, Sticky note-writing auto-group, multi-media cloud search, Multi- user writing, Screen and audio Recording		
	Browser	Built-in Chrome Browser for Secure and fast browsing experience	-	-
	Office	Built-in Office Viewer App. + Support for downloading Ms Office Apps	-	-
	Applications	Support for 3rd Party VC Apps like Microsoft Teams, Zoom, Google meet download	-	-
I/O Ports	Front :	USB 3.0 (1), USB 2.0 (1)		
	Side:	USB 3.0 (2), Touch Out (2), HDMI In (2), Type C DP 1.4 (1), IR out (1) (for IR blaster to control Smart devices), LAN (1), RS232 (1), Audio Out (1)	USB 2.0 (2), USB 3.0 (3), DP port (1), Touch Out (1), HDMI In (2), Type C (1)	HDMI In (2), Type C (1), USB 2.0 (2)
Power Consumption	Voltage	Voltage: 100 V ~ 240 V/AC, 50/60 Hz		
	Power	Max watt with OPS: 170W in 65" models, and 440W in 75" /86"/ 98"		
	StandBy	Stand-by: <0.5 W		
Accessories	In the box:	Remote, Power Cable, Type C- USB Cable, HDMI Cable (3M), 2x Magnetic Pens, User Manual, Warranty Doc, Wall Mount		
	Optional	Wireless casting dongle, Type C Cable (5Mtr) for single Cable Display & touch out, Active Stylus with Mic, multi-media and presentation control.	Type C Cable (5Mtr) for single Cable Display & touch out, Active Stylus with Mic, multi-media and presentation control,	Type C Cable (5Mtr) for single Cable Display & touch out

VC 1 (Optional Accessory)

Integrated Camera & Mic		
	Resolution	4K (8 MP)
	Pixel Size	2.0μm x 2.0μm
	Advanced features	High Dynamic Range Function, Excellent Low Illumination, Automatic Exposure Control, Automatic White Balance Control
	Built-in Microphone	Mic Array of 4 MEMS Microphones
	Voice Capture Distance	5m Radius Voice Capture
	Microphone Features	VAD (Voice Activity Detection) and DOA (Direction of Arrival)
	Integrated Voice DSP Features	4-Mic Array with Adaptive Beamformer, Full-duplex Acoustic Echo Cancellation (AEC) with barge-in support (upto 50dB att.) De-reverberation, noise suppression (upto 15dB att.), Automatic Gain Control (AGC)

Bird AI

Great Collaboration Experiences, Anywhere.
Enterprise | Education | Consumer