



Eye-Care Solution



Germ-Resistant Screen



Air Quality Sensor



Stay Healthy and Collaborative In The Classroom

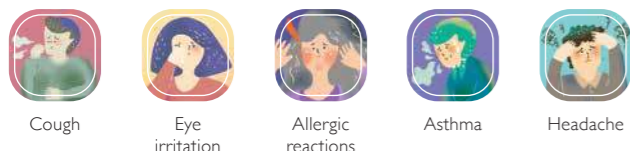
Endless Collaborative Possibilities with ClassroomCare™ Interactive Flat Panels

Invisible Enemies Surrounding the Classroom

Poor air quality, germs, and blue-light from LCD panels are the silent invaders of healthy classroom environments.



Did you know that poor air quality causes the following symptoms?



The truths are

100 ↑
Times Higher
Indoor levels of pollutants can be more than outdoor levels

High Levels of **CO₂** ↑
Results in drowsiness and poor student performance



Did you know that germs are commonly accumulated on the following items in schools?



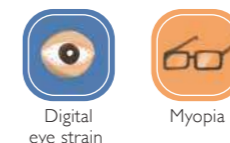
The truths are

4.5
Sick Days
Are taken by K-12 students per year

Respiratory (colds and flu) and Gastrointestinal illness (norovirus and rotavirus)
Are commonly transmitted infections in schools



Did you know that blue light, flickering and glare emitted by screens can cause the following symptoms?



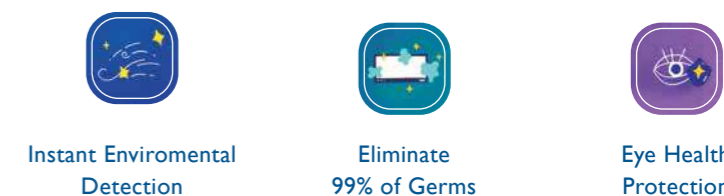
The truths are

7
hours
Of on-screen time per day are spent by teens for leisure and entertainment

1 Billion
People World Wide
Have a vision impairment



What BenQ ClassroomCare™ Interactive Flat Panel Can Bring to Your Classrooms



We Provide a Highly Engaging and Healthy Learning Environment

Sources:

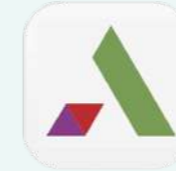
U.S. Environmental Protection Agency, "Why Indoor Air Quality is Important to Schools"
CO₂Meter, "Indoor Air Quality in the Classroom"
The Active Times, "These Are the Dirtiest Places in a School"
Happi, "The Impact of Hand Hygiene On School Absenteeism"
ABC News, "Teens spend more than 7 hours on screens for entertainment a day: Report"
World Health Organization, "Blindness and vision impairment"

A Digital Transformation for the Future Classroom

Advanced ClassroomCare™ Interactive Flat Panels offer the Perfect Balance of Collaboration and Health



Cloud Management



Account Management System (AMS) to manage user accounts and teaching materials



Device Management System (DMS) to remotely manage BenQ displays



X-Sign Broadcast to broadcast school news, video and audio files to BenQ displays

Collaboration



EZWrite Whiteboarding for in-class interactive lessons

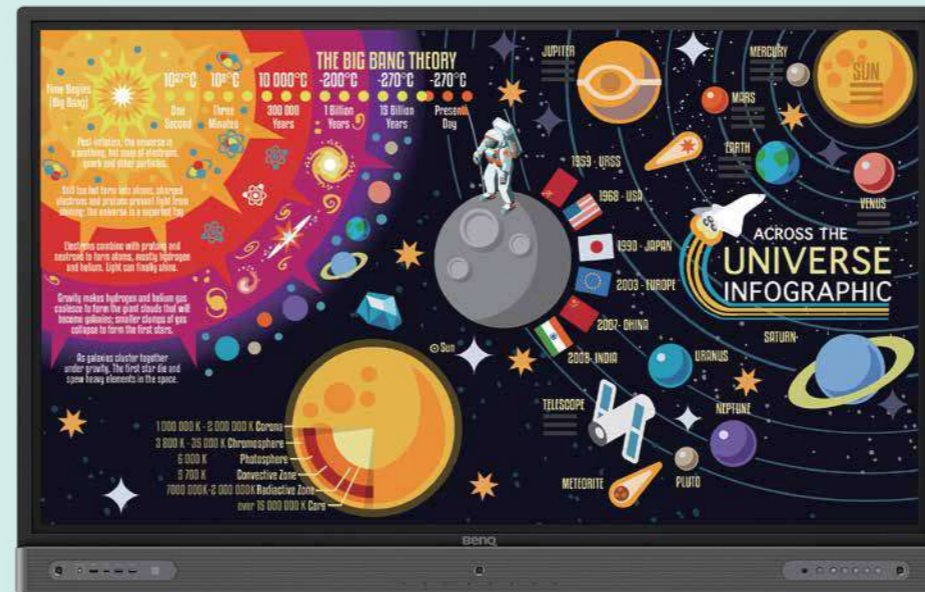


Cloud Whiteboard for online collaborations across multiple devices



Collaboration Tool for enhanced interaction and team building

Why BenQ Interactive Flat Panel?



3rd Party Software



Nuiteq Snowflake
Ideal for distance learning or for your classroom, Snowflake gives you access to teacher-made standard-aligned lessons accessible anytime, anywhere. (Only available from BenQ in ANZ Region)



Mythware
Mythware Classroom Management Software allows the teacher to control and manage the class in optimal conditions while the students learn, collaborate and communicate individually with the teacher or in groups.

Distance Learning



EZWrite Live
a web-based whiteboarding solution for distance and rural learning

Wireless Presentation



InstaShare App
for two-way wireless casting, mirroring and annotating between the display and multiple devices

Health Care



Air Quality Sensor
monitors CO₂, PM2.5, PM10 levels plus temperature and humidity



Germ-Resistant Screen
includes the TÜV and SIAA-certified nano-ionic silver coating to kill bacteria



Smart Eye-Care Solution
protects your eyes with flicker-free, low blue light and anti-glare features



ClassroomCare™ Technologies a Safeguard in Classrooms

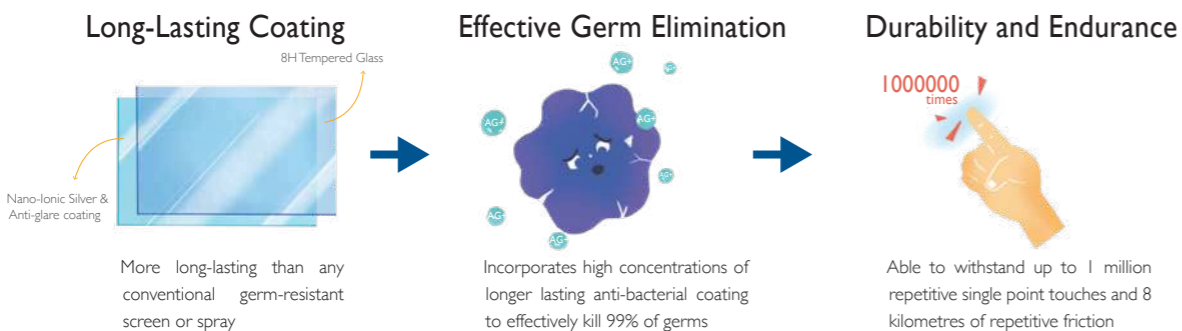
BenQ's ClassroomCare technologies cover everything from eye care and germ resistance to CO₂, Particulate Matter, Temperature and Humidity monitoring, creating a safe and healthy space for students and teachers.

Third Generation of Germ-Resistant Screen



Incorporates higher concentrations of nano-ionic silver compounds, and is cured together with an anti-glare coating and tempered glass, giving the screen longer-lasting anti-bacterial and eye-care efficacy than any conventional germ-resistant screen or spray on the market. Most importantly, the screen is certified by TÜV and SIAA proving the efficacy of germ-resistance and non-toxicity.

The benefits of 3rd generation of germ-resistant screen



Air Quality Sensor



Air Quality Sensors help measure and display key environmental parameters in classrooms including temperature, humidity, PM 2.5, P10, CO₂ and Volatile Organic Compound (VOC) concentration levels, allowing teachers to intervene in good time.

Real-Time Environmental Indicator

Indoor Air Quality Particulate matter, CO ₂ level, and humidity affect teaching and learning efficiency	Bacteria Bacteria accumulation on displays can result in infection	Eye Risks Blue light exposure, screen flickering, and display brightness
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 Advanced Air Quality Sensor	+	 Germ-Resistant Screen	+	 Smart Eye-Care Solutions
 PM 2.5 Sensor CO ₂ Sensor		 Germ-Resistant with Nano-Ionic Silver Coating		 Flicker-Free Low Blue Light Anti-Glare

Health Care Features	RP02	RM02/RE01
Nano-Silver Coating	✓	✓ <small>Available from 2021</small>
Germ-Resistant Certificate	TÜV SIAA	TÜV
CO ₂ Sensor	✓	X
PM 2.5/PM10 Sensor	✓	X
Temperature & Humidity Sensors	✓	X
Low Blue Light TÜV Certificate	✓	✓
Flicker-Free TÜV Certificate	✓	✓
Anti-Glare	✓	✓



EZWrite Limitless Collaboration Opportunities

Combining Whiteboarding, Annotation, Collaboration and Distance Learning, EZWrite empowers teachers to provide interactive and collaborative lessons, fitting into a variety of classroom scenarios.

Enhanced Interactive Learning

EZWrite is designed for interactive lessons, facilitating brainstorming, illustrating ideas, recording notes and collaboration between the teacher and students.

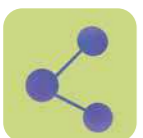


Teaching With Ease



Tap & Create

Designed to activate the EZWrite whiteboard app with a simple tap of the NFC Pen



Data-to-Go

Class notes can be saved and shared directly via email, QRcode or a USB stick after the lesson is finished



Handwriting Recognition

Recognises text, numbers and even drawings, and places them on the whiteboard in a clearly legible way.



Video Recording

Teachers can record all on-screen steps during their lectures and use the recorded videos for class preparation or review purposes



Palm Eraser

Easily erase writing and drawing by using your hand

Interactive Cooperation Tools for Fun Team Activities



Timer & Stopwatch

Perfect for timed team competitions, presentations and group activities



Calculator

Lets teachers perform mathematical calculations quickly



Geometry

Straighten and format roughly drawn shapes



Draw Lots

Randomly select students to answer questions or participate in activities



Team Post

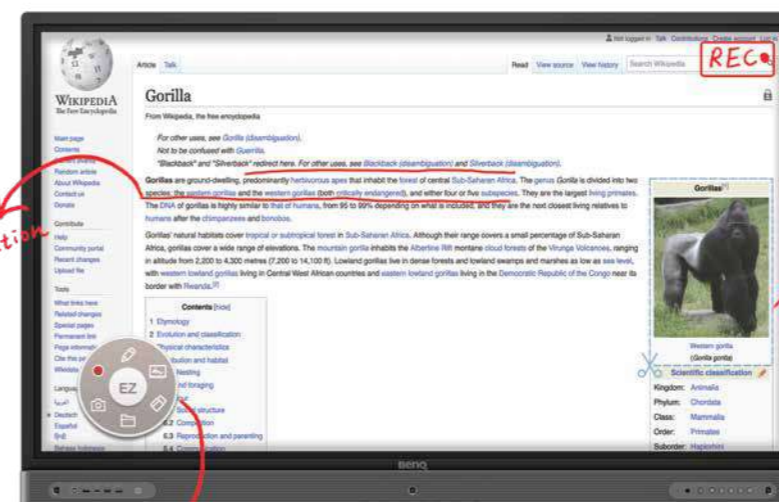
Up to 3 teams of students can participate and post their answers simultaneously



Score Board

A convenient and reliable tool for tallying game scores right on screen.

Flexible Annotation, Anytime



Floating Tool

Utilise the Floating Tool to write and erase notes, record and capture on top of any app, image or video. Also compatible with Windows, Mac, or Chrome browsers when connecting with laptops or tablets.

Select Mode

Press the arrow to keep the annotation and switch between different pages.

Capture

Supports gestures to take a flexible screen capture



Tool box

Shortcut for file manager, clock, timer, draw, and grouping





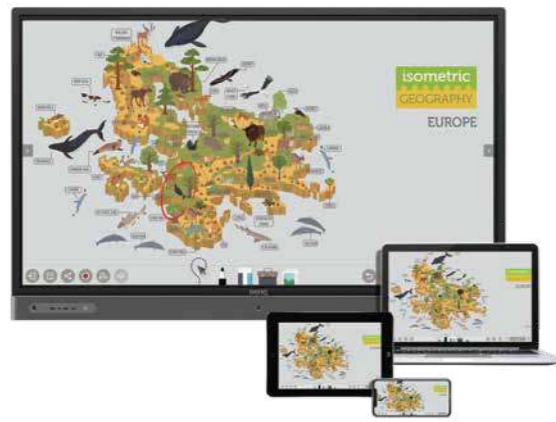
Endless Collaborations On The Cloud

With built-in Cloud Whiteboard and Sticky Notes, teachers have the flexibility to take their lessons online, offering them new methods for capturing attention and collaborating with students.

Make Your Remote Learning Engaging and Collaborative

EZWrite Live is a web-based whiteboarding and video conferencing platform designed for remote learning. Compatible with Firefox, Chrome, and Safari browsers, it allows teachers to offer online lessons to students who can either participate in the classroom or from home.

Create Interactive and Collaborative Lessons Anywhere



Cloud Whiteboard

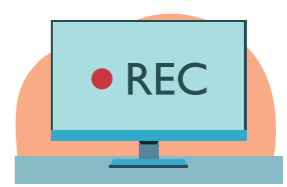
Teachers and students can enjoy enhanced interactivity by using EZWrite Cloud Whiteboard to collect, categorise, edit, and share notes between the display and mobile devices.



Access from anywhere through web browser across different OS platform and devices.



Real-time annotation enables teachers and students to interact simultaneously.



One-tap video recording allows students to focus on the lecture without the distraction of note-taking.



Teachers can easily take control of the class by turning on/off students' editing-access of the cloud whiteboard.



Teachers and students can use their existing whiteboard canvas as they did in their schools.



Built-in education focused templates are designed for better communication.

Online Sticky Notes

In Cloud Whiteboard, teachers and students can discuss and brainstorm any topic using Sticky Notes, opening up endless possibilities for engagement and creativity.



Board to Board

Create a shared cloud whiteboard on different BenQ IFPs simultaneously for group discussions.

The Perfect Companion for Distance Learning

Learning from Home



Distance Education





Real Pen Writing Experience With No Gap

Featuring advanced touch technologies, Zero Bonding and Fine IR Plus, BenQ RP Series provides real-time and accurate writing and drawing feedback just like natural writing. Express your ideas easily, quickly and consistently.

Zero Bonding Technology

Zero Bonding Technology ensures a natural and accurate writing and drawing experience by reducing the gap between the touch point and the point displayed on screen.



Boost Creative Education

Thanks to Zero Bonding Technology and Fine IR Plus technologies, users can simultaneously write in different colours and paint at the stroke of a brush, increasing engagement with students.



Dual Pens

Ideal for group discussions or answering questions during class lessons, Dual Pen allows users to write simultaneously in different colours.



Brush Mode

Works with any brush, making painting and drawing limitless. Brush Mode is ideal for inspired creativity in art classes.

Wirelessly Share Your Thoughts In One Click With InstaShare

Designed to enhance Project Based Learning, InstaShare is a revolutionary screen sharing technology that provides the capability for wireless presentations and effortless collaboration.

Two-Way Mirroring and Touch Back Across Multiple Platforms

InstaShare can be installed across multiple platforms, including iOS, Android, Chrome and Windows OS, offering convenience to share content and provide instant feedback from laptops, smartphones and tablets to the Interactive Flat Panel.



Nine Split Screens For Synchronised Discussions

InstaShare allows up to nine devices to connect to the interactive flat panel at once.



In-App Sharing Permission Control

Unpermitted content casting can interrupt lessons and reduce learning quality. In-app screen sharing permission lets teachers control the permission of content sharing from students' devices.





Connect Your Account and Teaching Materials with Account Management System

For Teachers

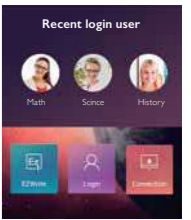
Access Your Class Material Automatically in Different Classrooms

BenQ AMS can connect with Google Drive, OneDrive, Dropbox and Network Folder; allowing teachers to import class materials to EZWrite or open supporting files through AMS in any classroom without having to enter account information again.



Smart Login to Your Personalised Setting Anywhere In the Campus

Designed to simplify the login process, teachers can either scan a QR code to log in to their personalised IFP environment using a smartphone or tablet (for both IFP and Smart Projector), or tap the NFC sensor to activate (IFP only) – just like your PC.



For IT Staff

Efficient Account Management

Traditionally, it is extremely time consuming to manage large amounts of user accounts for corporate IT managers. AMS provides a clear and intuitive user interface for IT managers to remotely manage multiple user accounts.



Hassle-free Cloud Display Management

IT departments of large schools and local education authorities are facing some major challenges: how can they manage all the screens at all their locations, how can they synchronise documents so that they're easily accessible for all staff and how can school messages be delivered efficiently to students?



Manage Displays On The Cloud With Device Management Solution



Device Info and Management

Displays can be remotely controlled with DMS Cloud via the Internet, lowering overall TCO and energy consumption.



Apps Management

DMS Cloud is designed to save you the hassles of repetitive manual installation work.

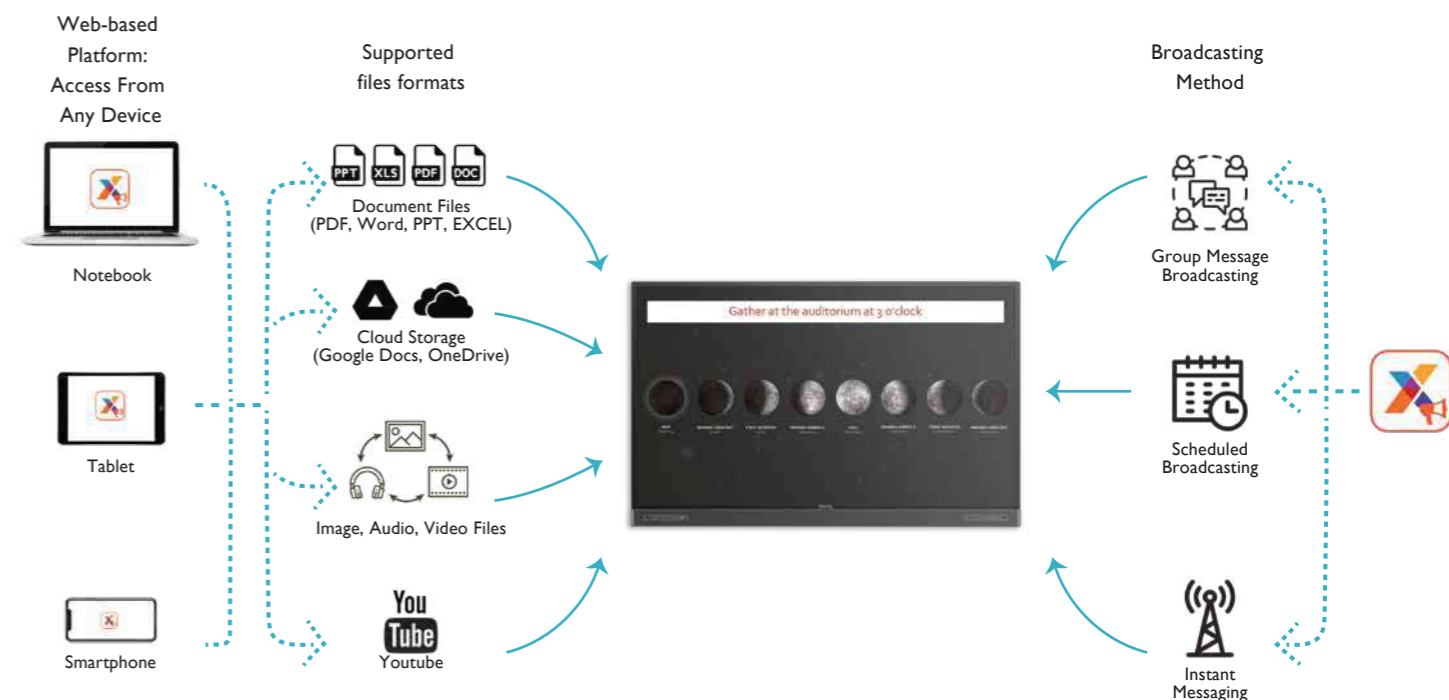


OTA (Over-the-Air) Update

Upgrade the latest BenQ firmware for your displays through our OTA Update support and keep them running smoothly at all times.

Empower Your Broadcasting System With X-Sign Broadcast

Designed to simplify the broadcasting process across different classrooms, X-Sign Broadcast can be scheduled to broadcast school messages, classroom material, video and audio files to all or dedicated Interactive Flat Panel using any laptop, tablet or smartphone.



Thoughtful Design that Helps Teachers Achieve Learning Outcomes in the Classroom

We have designed our Interactive Flat Panel to better facilitate the teaching process, ensuring that teachers can deliver lessons throughout their class without interruption.



Air Quality Information
monitors CO2, PM2.5 and PM 10 levels plus temperature and humidity

Quick Shortcuts
to start EZWrite Whiteboard, Wireless Projection via InstaShare and manage files on Account Management System (AMS)

Slot-In-PC
adds the ability to run Windows OS on the panel

PIR Motion Sensor (Short Range) for Eye-Care activation

Multiple Connection Ports
(HDMI, USB Type-C, USB 3.0, USB 2.0)

NFC Sensor
to instantly activate EZWrite whiteboard and personal accounts with the tap of the NFC Pen

PIR Motion Sensor (Long Range)
for auto screen wakeup

Speaker Subwoofers and Equalizer
offers the best sound settings to suit the size of classrooms and lessons

8H Tempered Glass with Germ-Resistant Coating

for powerful protection



Sync With The Files
stored on your own Google Drive, Dropbox, OneDrive and local network drive



Smart Remote Control
presenter (digital pointer, spotlight) included



Function Buttons

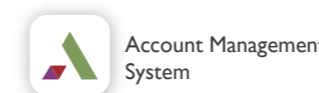
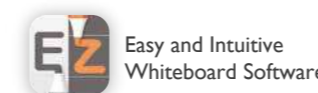
PIR Motion Sensor (Short Range)
for Eye-Care activation

PRODUCT COMPARISON



Specification	RP02	RM02	RE01
Size	65" 75" 86"	55" 65" 75" 86"	65" 75" 86"
Resolution	4K (UHD)	4K (UHD)	4K (UHD)
Touch Technology	Fine IR Plus / Zero Bonding	Fine IR / Zero Bonding	Fine IR / Air Bonding
Touch Points	20	20	20
Touch Accuracy	±1.0mm	±1.0mm	±2.0mm
Panel	IPS	IPS	IPS
Cover Glass	4mm, 8H Tempered	4mm, 8H Tempered	3.2mm, 8H Tempered
Panel Life Expectancy	50,000 Hours	50,000 Hours	50,000 Hours
Brightness (nits)	350, 450, 400	350	400, 550, 400
SoC	Dual Core A73 + Dual Core A53 / 1.5GHz	Dual Core A73 + Dual Core A53 / 1.5GHz	Dual Core A73 + Dual Core A53 / 1.5GHz
Storage / Memory	32GB / 4GB	32GB / 4GB	32GB / 3GB
Built-In OS	Android 8.0	Android 8.0	Android 8.0
Proximity Sensor	X 2	x	x
Temperature & Humidity Sensors	✓	x	x
Air Quality Sensor	✓	x	x
Ambient Light Sensor	✓	✓	✓
Integrated Speakers	32W+15W Subwoofer Front Facing Soundbar	32W Front Facing Soundbar	30W (No Soundbar)
Orientation	Landscape	Landscape	Landscape
IP5X Dust Proof	✓	✓	x
Remote Control with Digital Pointer	✓	✓	x
Built-In Microphone	X 8	x	x
Built-In Camera	Optional	Optional	Optional
HDMI Out	✓	✓	✓
SPDIF Output	✓	✓	✓
USB Type A	2.0 x 2, 3.0 x 2	2.0 x 2, 3.0 x 2	2.0 x 4
USB Type C	✓	x	x
RS232 Input	✓	✓	✓
OPS PC	Optional (Azure certified)	Optional (Azure certified)	Optional (Azure certified)

Specification	RP02	RM02	RE01
Wi-Fi	2.4G/5G WiFi + Bluetooth Dongle	2.4G/5G WiFi + Bluetooth Dongle	2.4G/5G WiFi + Bluetooth Dongle
Bluetooth	2.4G/5G WiFi + Bluetooth Dongle	2.4G/5G WiFi + Bluetooth Dongle	2.4G/5G WiFi + Bluetooth Dongle
NFC Reader/Writer	✓	x	x
Built-In Whiteboard Software	✓	✓	✓
Built-In Casting with Touch Back	InstaShare (9-Split Screen)	InstaShare (9-Split Screen)	InstaShare (9-Split Screen)
Built-In Access to 3 rd Party Apps	✓	✓	✓
OTA Updated Firmware	✓	✓	✓
Device Management System	✓ (LAN / Cloud)	✓ (LAN / Cloud)	✓ (LAN / Cloud)
Wall Mount	Included	Included	Included
Cross Platform Annotation Tool	✓	✓	✓
Secured Personal Log In System	By NFC Card or QR Code	By QR Code	By QR Code
Screen Recording	✓ + Voice Recording	✓	✓
Handwriting Recognition	✓	✓	✓
Preloaded Office Reader Software	WPS	WPS	WPS
Cloud Drive Access Integration	Google Drive / Dropbox / One Drive (Office 365) / Local Drive	Google Drive / Dropbox / One Drive (Office 365) / Local Drive	Google Drive / Dropbox / One Drive (Office 365) / Local Drive
Active Directory	✓	✓	✓
Remote Collaboration Software	EZWrite Live	EZWrite Live	EZWrite Live
Video Conference Software Compatible in Android	Blizz / Zoom / Webex	Blizz / Zoom / Webex	Blizz / Zoom / Webex
Video Conference Software Compatible in Windows	Zoom Rooms / Skype for Business / Google Hangout / Zoom / Teams	Zoom Rooms / Skype for Business / Google Hangout / Zoom / Teams	Zoom Rooms / Skype for Business / Google Hangout / Zoom / Teams
Built-In Antivirus Software	McAfee 2-Year License	McAfee 2-Year License	McAfee 2-Year License
Azure Certified	✓	✓	✓
AWS Partner Certified	✓	✓	✓
Google for Education Certified	✓	✓	✓
Digital Broadcast System	X-Sign Broadcast	X-Sign Broadcast	X-Sign Broadcast



Cameras



Specification	Home / Office	Small Spaces / Open Areas	Medium Spaces	Large Spaces
People	1~2	1~6	7~15	16~20+
Camera Model	DVY21	DVY21 / DVY22	DVY22	DVY23
Video Request	Fixed Lens	Fixed Lens / Digital Zoom	Digital Zoom	Optical Zoom
Viewing Angle	87°	87° / 120°	120°	65°
Resolution	1080p 30fps	1080p 30fps / 4K 30fps	4K 30fps	1080p 30fps
PTZ Zoom	x	x / Digital Zoom: 4x + ePTZ	Digital Zoom: 4x + ePTZ	Optical Zoom: 20x + Digital Zoom: 10x + ePTZ
Audio Input	2 Built-in Mics	2 Built-in Mics	2 Built-in Mics	x
Voice Distance	3M	3M / 5M	5M	>5M
Audio	Echo Cancellation	Echo Cancellation	Echo Cancellation	x
	Directional	Directional / Omni-Directional	Omni-Directional	x
Video Compression Format	MJPEG, YUY2, H.264, H.265	MJPEG, YUY2, H.264, H.265	MJPEG, YUY2, H.264, H.265	YUY2, MJPEG, H.264, NV12, H.265
USB Communication Protocol	UVC, UAC	UVC, UAC	UVC, UAC	UVC, UAC
Network Protocol	x	RTSP, RTMP, ONVIF, GB/T28181	RTSP, RTMP, ONVIF, GB/T28181	RTSP, RTMP, ONVIF, GB/T28181, VISCA

OPS

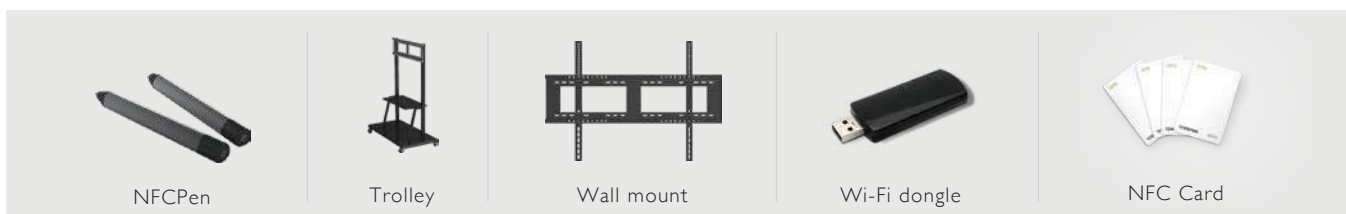


Specification	OPS PC	OPS PC	OPS PC
CPU	Intel 7th Gen i5	Intel 7th Gen i5	Intel 7th Gen i7
RAM	4GB * 2	4GB * 2	4GB * 2
Hard Drive	128GB SSD	1TB HDD	128GB SSD

* Windows and Zoom licenses required.

Available in Windows  or Zoom Rooms [zoomrooms](https://zoom.us/join/zoomrooms)

Additional Accessories



NFC Pen

Trolley

Wall mount

Wi-Fi dongle

NFC Card

