

Hybrid Classroom Equipment Updates

ITSC

Feb 2021

Overview

1. Setup of the hybrid classroom
2. The Equipment List in each classroom
3. Use of new and existing equipment

Setup of the hybrid classroom

- Webcams / Cameras
- Visualizer
- PC with Connected Dual Monitors (New)
- Writing and Drawing Pad (New)
- Variety of Microphones (new)
- Projector(s) / Display Panels

Webcams / Cameras

1. Webcam (Camera 1 - Logitech C925E)
2. Visualizer (Camera 2 - Epson)
3. Webcam on Tripod (Camera 3 - Logitech C930)

PC with Connected Dual Monitors

1. The Hardware Setup
2. PowerPoint Presentation
3. Zoom with Dual Monitors

Hurion Inspiroy H1161 Writing and Drawing Pad

1. It is to replace the visualizer as the writing board for additional information you may provide to students.
2. All academic departments are distributed with 3 writing and drawing pads for loan to their teachers. Please contact your Department Office for details of the loan procedure.
3. It is connected to Zoom and can be projected to the projection screen in the classroom for clearer presentation of teaching materials to students on Zoom and in the classroom.
4. It is plug and play. No driver is needed.

Projector(s) / Display Panels

- Used to display the screen of the PC to the students in the classroom.

Microphones

1. Gooseneck microphone
2. Wired handheld microphone
3. Wireless handheld microphone
4. Ceiling microphones

The Equipment List in each classroom

<https://www.ln.edu.hk/itsc/services/it-facilities/hybrid-classrooms#list>

Equipment List in Each Classroom

Class Room Type	Room	Webcams	Ceiling Camera for Recording	Projector	Visualizer	Microphones					PC with Dual Monitors	Display Panel
						Gooseneck Mic	Mic Stand	Wireless Mic	Wired Mic	Ceiling Mic		
Lecture Theatre	LBYG01	2	1	1	1	1	1	2	1	N	1	0
Lecture Theatre	LBYG02	2	1	1	1	1	1	2	1	N	1	0
Lecture Theatre	MBG01	2	1	1	1	1	1	2	1	N	1	0
Lecture Theatre	MBG06	2	1	1	1	1	1	2	1	N	1	0
Lecture Theatre	MBG07	2	1	1	1	1	1	2	1	N	1	0
Lecture Theatre	MBG19	2	1	1	1	1	1	2	1	N	1	0
Lecture Theatre	MBG22	2	1	1	1	1	1	2	1	N	1	0
Lecture Room	LBYG06	3 (tracking cameras)		1	1	1	1	2	1	Y	1 (1 with PC, 1 on side TV)	2
Lecture Room	LKKG01	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKKG05	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK101	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK102	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK103	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK105	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK107	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK201	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK202	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK203	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK205	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK207	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK301	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK302	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK303	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK305	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK307	2		1	1	1	1	2	1	N	1	0
Lecture Room	MBG09	2		1	1	1	1	2	1	N	1	0
Lecture Room	MBG10	2		1	1	1	1	2	1	N	1	0
Lecture Room	MBG11	2		1	1	1	1	2	1	N	1	0
Lecture Room	MBG12	2		1	1	1	1	2	1	N	1	0
Lecture Room	LCHUG14	2		1	1	1	1	2	1	N	1	0
Lecture Room	LCH115	2		1	1	1	1	2	1	N	1	0
Lecture Room	LCH319A	2		1	1	1	1	2	1	N	1	0
Lecture Room	LCH319B	0		1	1	1	0	2	0	N	single monitor (room combined)	0
											single monitor	

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Lecture Room	LBYG06	3 (tracking cameras)		1	1	1	1	2	1	Y	1 (1 with PC, 1 on side TV)	2
Lecture Room	LKKG01	2		1	1	1	1	2	1	N	1	0
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Lecture Room	LKK101	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK102	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK103	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK105	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK107	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK201	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK202	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK203	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK205	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK207	2		1	1	1	1	2	1	N	1	0
Lecture Room	LKK201	2		1	1	1	1	2	1	N	1	0

Use of New and Existing equipment

1. PC with Connected dual monitors
2. Webcams / Camera
3. Hurion Inspiroy H1 161 Writing and Drawing Pad
4. Projector(s) / Display Panels
5. Visualizer
6. Mics

Existing Equipment - PC

1. Where is it?
2. How to power it on?



New Equipment - Dual Monitors with connection arm

1. Moving the monitors around
2. The monitor also outputs to the projector?
3. PowerPoint Presentation
4. Zoom with Dual Monitors
5. (advanced) Zoom Dual Monitor Mode “Use dual monitors”

Dual Monitors with connection arm



Existing Equipment – Webcams / Cameras

How to use them?

1. Webcam (Camera 1 - Logitech C925E)
2. Visualizer (Camera 2 - Epson)
3. Webcam on Tripod (Camera 3 - Logitech C930)
4. Some Lecture Theatres have a ceiling camera for recording

Webcams / Cameras



Webcam
(Camera 1 -
Logitech C925E)



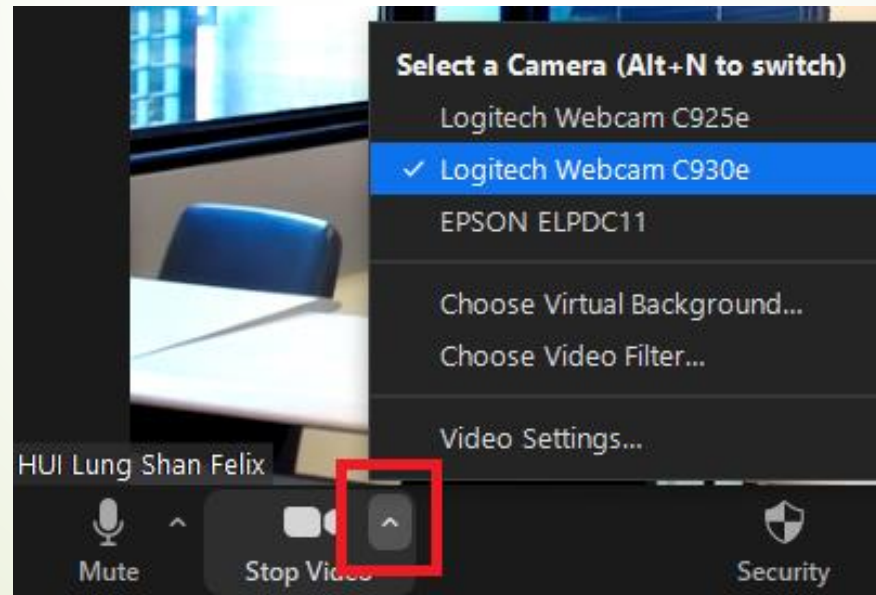
Visualizer
(Camera 2 -
Epson)



Webcam on Tripod
(Camera 3 -
Logitech C930)

Webcams / Cameras

1. You can also use the keyboard shortcut “Alt-N” to switch among cameras fast.



New Equipment - Hurion Inspiroy H1161 Writing and Drawing Pad

1. How to plug in?
2. How to use during PowerPoint presentations?
3. How to use in Zoom Annotation?
4. How to use in Zoom Whiteboard?
5. How to use in Windows and other applications?

Hurion Inspiroy H1 161 Writing and Drawing Pad



Hurion Inspiroy H1 161 Writing and Drawing Pad

1. How to plug in?

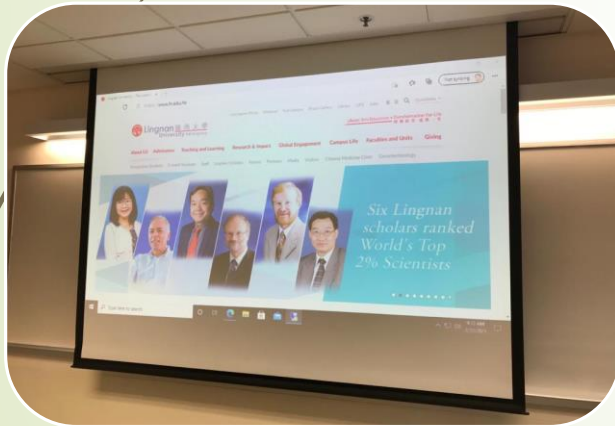


Existing Equipment - Projector(s) / Display Panels

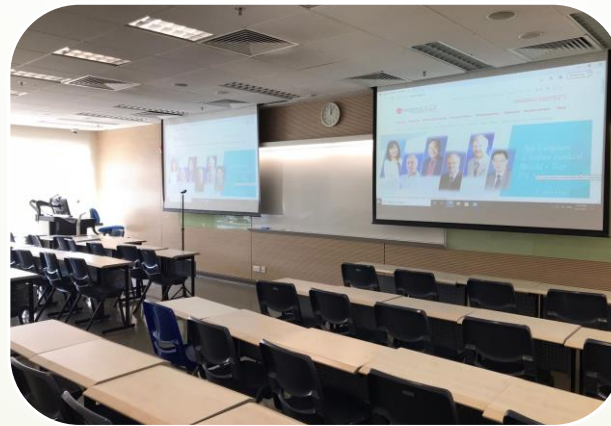
1. Single projector in most classrooms
2. Dual projectors:
SEK104, SEK205, SEK206, SEKG09, LCH319D
3. Display panels:
SEKG03, SEK105, LBYG06

Projector(s) / Display Panels

- Used to display the screen of the PC to the students in the classroom.



Single projector in most classrooms



Dual projectors:
SEK104, SEK205, SEK206,
SEKG09, LCH319D



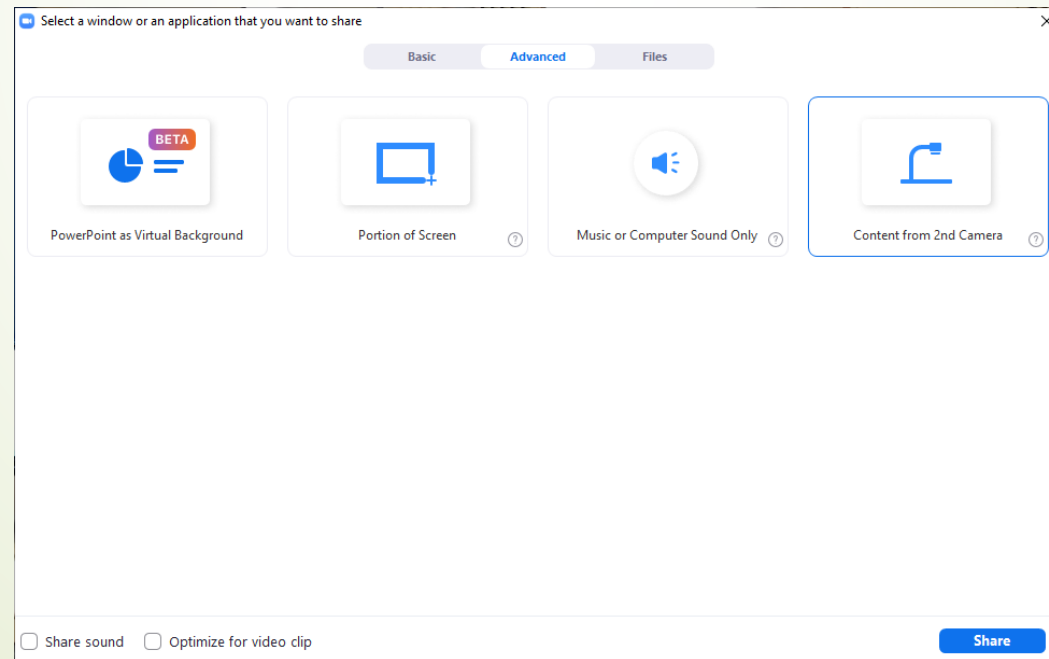
Display panels:
SEKG03, SEK105, LBYG06

Existing Equipment - Visualizer

1. Where is it?
2. How to power it on?
3. How to use it?

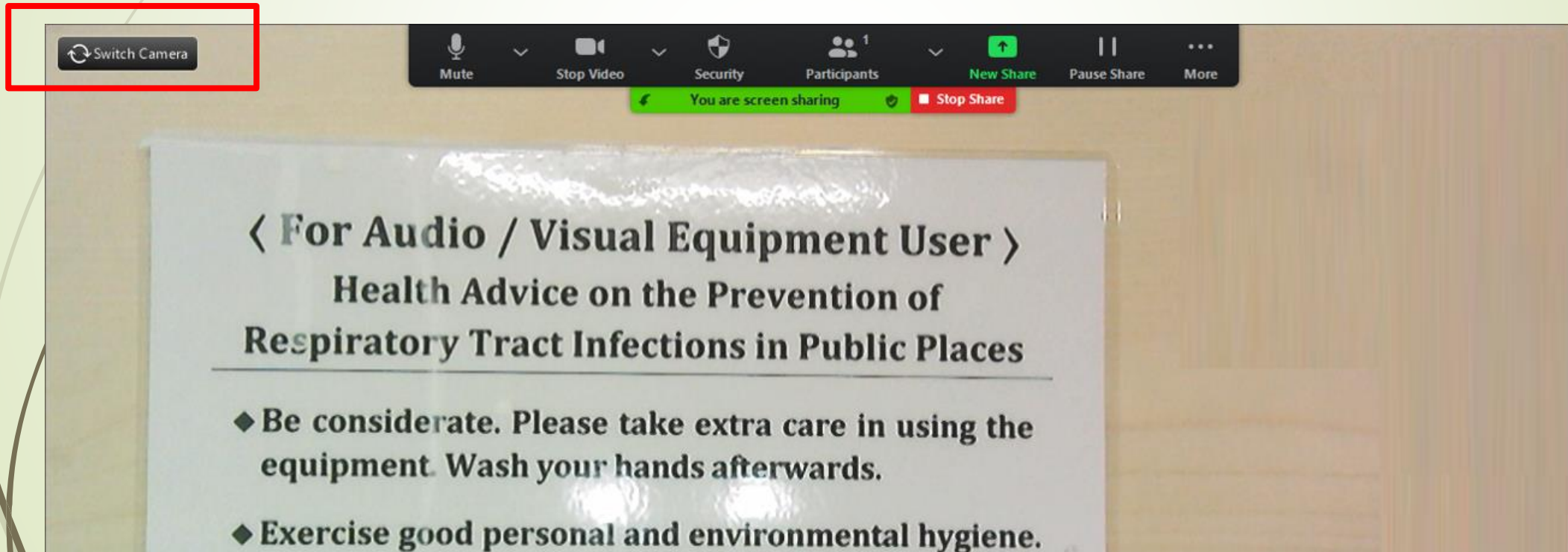
Existing Equipment - Visualizer

1. Before starting the meeting, turn on Annotation in lingnan.zoom.us > Settings
2. Share Screen > Advanced > Content from 2nd Camera



Existing Equipment - Visualizer

3. Click “Switch Camera”



Existing Equipment - Microphones

How to use them?

1. Gooseneck microphone
2. Wired handheld microphone
3. Wireless handheld microphone
4. Ceiling microphones

Variety of Microphones



Gooseneck



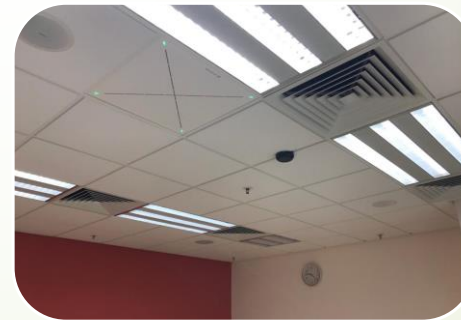
Wired
handheld



Wireless
handheld



Wireless
handheld (clip)



Ceiling

New Equipment - Ceiling microphones in LKK210

1. Ceiling microphones are installed in LBYG06 and LKK210.
2. Teachers and students are free to speak in classes without the need of holding any microphone to have better interaction with students on Zoom and in the classroom
3. How to use them?

New Equipment - Ceiling microphones in LKK210

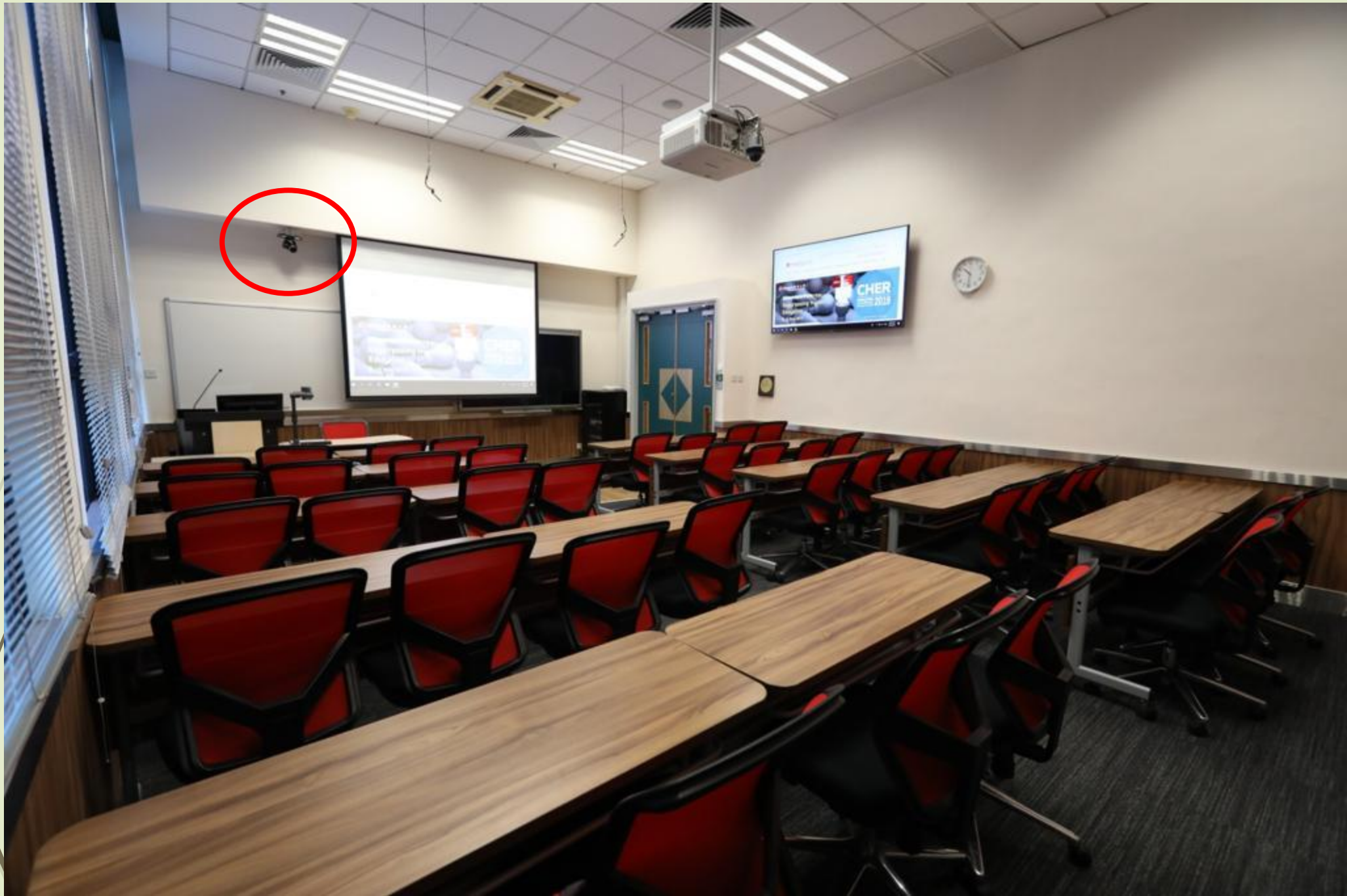


Smart Classroom LBYG06

1. Ceiling microphones
2. Action-based tracking cameras
3. Projector and display panels
(1 projector, 1 on PC, 1 on front TV
and 1 on side TV)









New Equipment - More wireless handheld microphones

1. More wireless handheld microphones are available on loan at ITSC.
2. All tutorial rooms, aligning with all the other classrooms, will also be equipped with wireless mic capability by next semester.

ITSC Hybrid Classrooms Webpage

Details are all available at:

<https://www.ln.edu.hk/itsc/services/it-facilities/hybrid-classrooms>

The left side of the slide features several thin, dark, curved lines that sweep upwards and outwards from the bottom-left corner, resembling stylized grass or reeds. The background is a light, pale green color with a subtle gradient.

Q & A