Lecture Capture Station MA-XL1

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Maxell's Integrated Lecture Capture Solution

Students can focus on lectures. Teachers can engage students easily and effectively.

Simple on-screen icon menu for easy operation.

Content switching

Switching Screen Content, Interactive Whiteboard, Remote Desktop

| HDMI1 | HDMI2 | HDMI3 | HDMI4 |

| VGA | Camera1 | Camera2 | Others |

Record-Stream-Upload
3ch+Combined Video

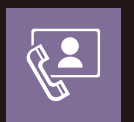| Content | Camera 1 | Camera 2 | Content | Camera 1 / Camera 2 |

Video replay while recording

Even while recording Index Playback

Interactive remote classroom

Sharing Content, Both-Way Communication with Video, Audio and Annotation

Teacher Friendly
Multifunctional Tool for Making Lectures.

By connecting to interactive projectors or interactive flat panel displays, you can operate MA-XL1's key features through the intuitive, user-friendly on-screen icon menu.
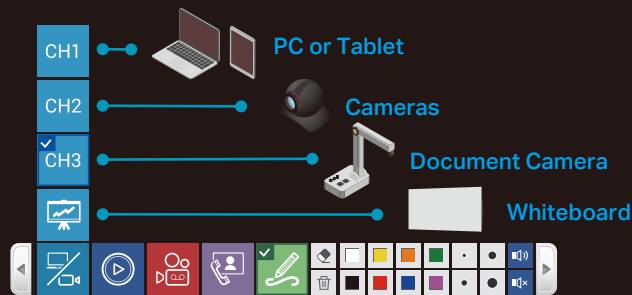
* We recommend pre-test before purchase. HID USB mouse also supported.

Interactive Content Switching

On-screen icons allow you to switch content during the lesson. (10 input terminals)

* Output images from the "MONITOR OUT" or "HDMI OUT" are converted to H.264. Sound channels are isolated from image switching. Sound channel output can be set separately by administration menu. MA-XL1 does not support HDCP.

* CH1 is recommended for PC input and CH2/CH3 for camera input use.

CH1 — PC or Tablet
CH2 — Cameras
CH3 — Document Camera
— Whiteboard

Interactive Whiteboard

Make notes and drawings on the main screen for any input channel; save the drawing independently for each channel.

* Dependent on connected interactive display. We recommend pre-test before purchase. HID supported USB mouse can also be used for this feature.
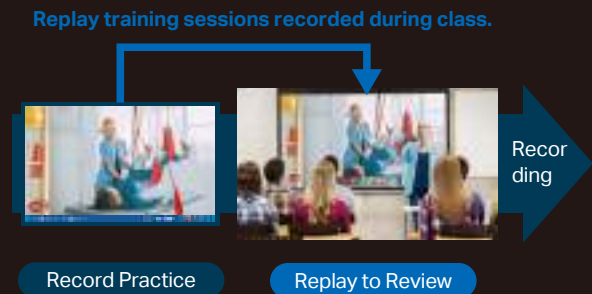
18m

Instant Playback

You can play recorded video contents by selecting the corresponding thumbnail from the index.
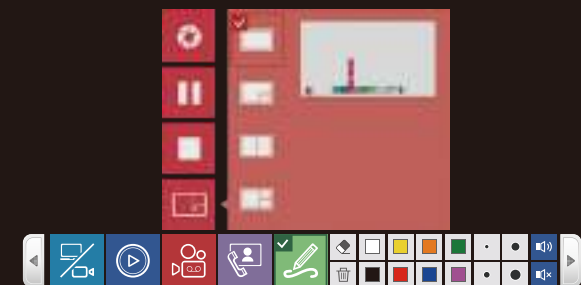
You can also replay an earlier part of the ongoing recording session - while still recording.

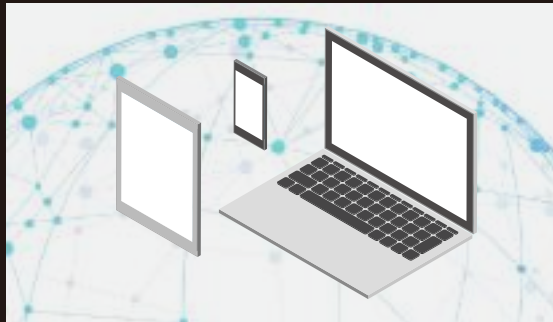**Replay training sessions recorded during class.**

Record Practice   Replay to Review

Recording

Recording

Recording and screen shot capture is easy, just touch the icon. Change the recording layout mid-lesson.

Student Friendly
Learn Whenever You Want, Wherever You Are
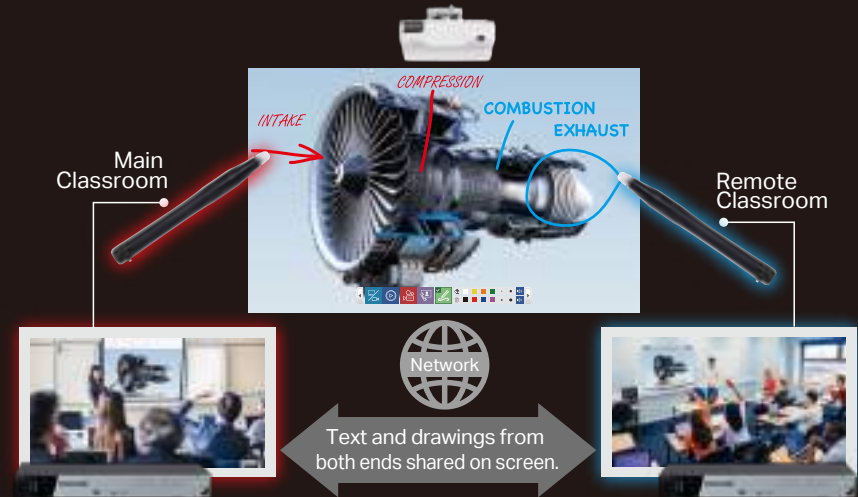
Streaming / Uploading

Concentrate on lectures, rather than wasting time taking notes. Watch uploaded lectures on the cloud server whenever you need. Through live- streaming, attend your class from home or anywhere else. RTMP streaming protocol supports widely-used third party streaming services such as Youtube. MA-XL1 is also compatible with FTP/SFTP supported LCS cloud services such as Kaltura.

* RTMP live-streaming requires a server or cloud services that supports RTMP. Upload function requires a server that supports FTP or SFTP.
* Performance is dependent on network environment.

LMS Integration / Cloud Service Integration

MA-XL1 can be integrated with existing Learning Management System (LMS) portals such as Moodle, to facilitate students' easy access to uploaded videos.
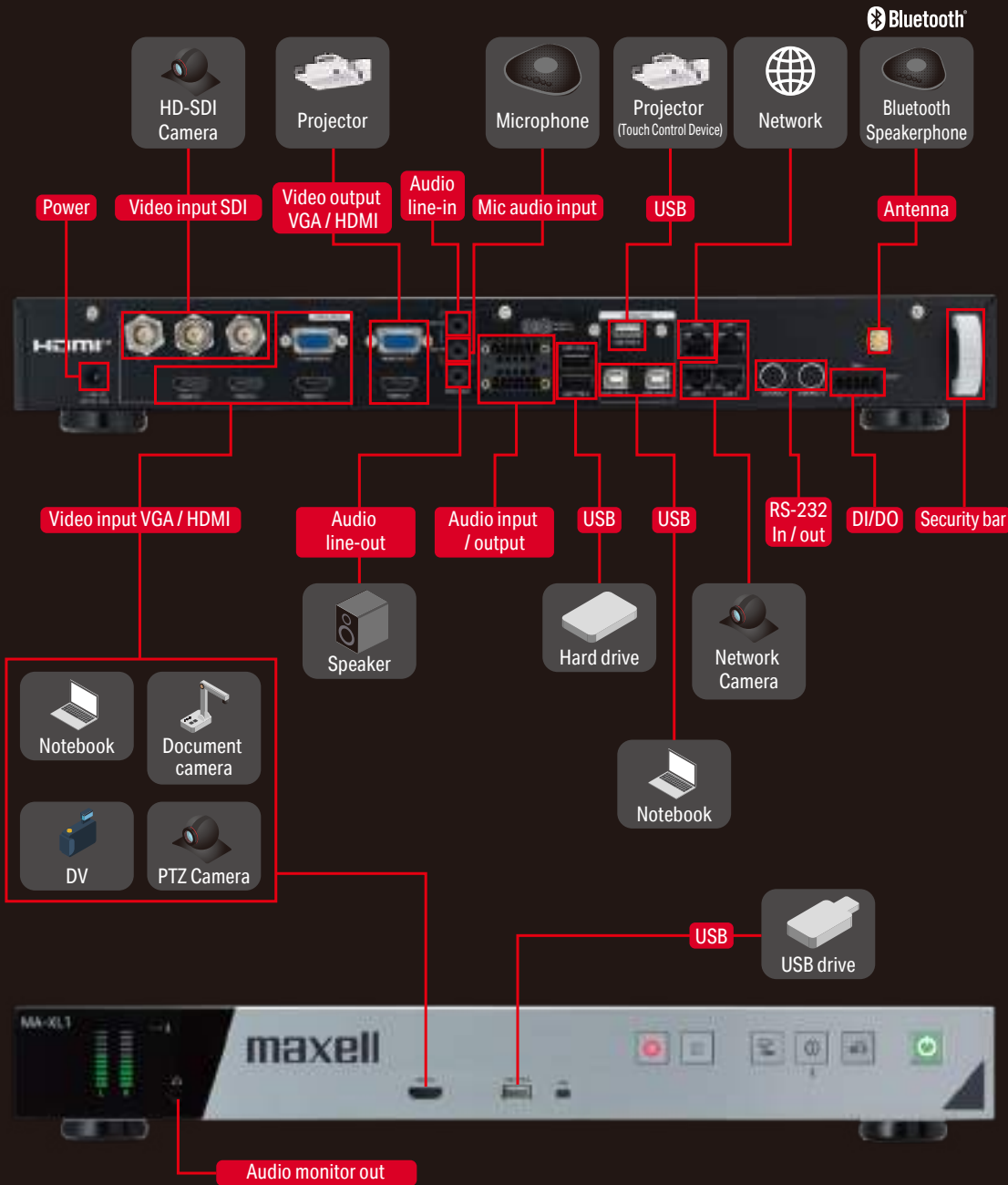
* Level of integration may vary depending on LMS provider.

Remote Classroom Optimized
Connecting Two Remote Locations to One

Remote Classroom Collaboration

Share the same interactive screen with a remote classroom and share notes and drawings on the shared screen from both rooms. You can have a lesson with your students thousands miles away as if they were in the same classroom.

* Up to 100 client MA-XL1s can be registered on a single host MA-XL1. Remote Classroom sessions are 1-to-1 only. Only one Remote Classroom session can be held at a given time. Performance is dependent on network environment. Please contact Maxell representative or agent to discuss network requirements and performance considerations. We recommend pre-test before purchase.

Other User Friendly Features
- Operate with your smartphone, tablet or with USB mouse.
- Capture live-streaming images from your smartphone camera.
  *An RTMP encoding application needs to be installed on your smartphone.
- Teachers can control their PC through the connected interactive screen.
- Automatically create indexes with titles and thumbnails on recordings by capturing the PowerPoint slide.[1]
- Scheduled recordings compatible with third party schedulers (Outlook, Google Calender, etc).[2]

  [1] Windows PC (Windows 7 or higher) and PowerPoint 2006 or higher is required.
  [2] The scheduler cannot include cycling (repeating) event, only accept one-time event.

Terminals

Labels:
- HD-SDI Camera
- Projector
- Microphone
- Projector (Touch Control Device)
- Network
- Bluetooth Speakerphone
- Power
- Video input SDI
- Video output VGA / HDMI
- Audio line-in
- Mic audio input
- USB
- Antenna
- Video input VGA / HDMI
- Audio line-out
- Audio input / output
- USB
- USB
- RS-232 In / out
- DI/DO
- Security bar
- Speaker
- Hard drive
- Network Camera
- Notebook
- Document camera
- DV
- PTZ Camera
- Notebook
- USB
- USB drive
- Audio monitor out

Specifications

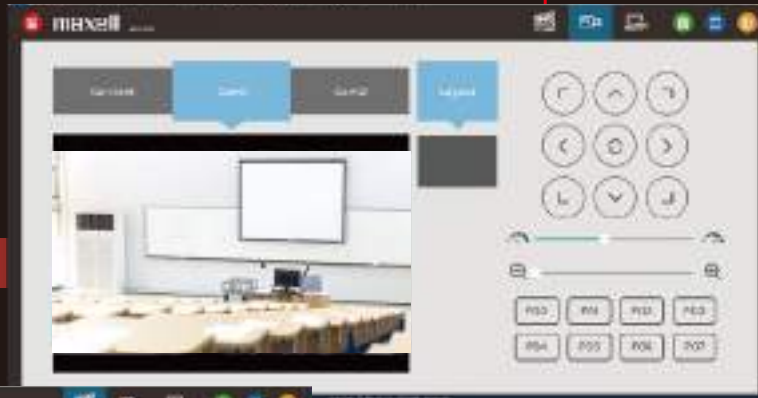| Model name		MA-XL1			
Mechanical	Form Factor	Standalone / Rack Mount	Status	Power (GREEN/RED)	1
Weight	w/o Rack Mount Bracket	Approx. 3.0kg (6.6lbs.)	Streaming Inputs	RJ-45 / IP	3
	with Rack Mount Bracket	Approx. 3.1kg (6.8lbs.)		Streaming Format	RTSP/RTP/RTMP
Dimension	w/o Rack Mount Bracket	430mm × 206mm × 60mm (16.9" × 8.1" × 2.4")		Video Format	H.264 High/Main/Baseline
	with Rack Mount Bracket	480mm × 206mm × 60mm (18.9" × 8.1" × 2.4")		Audio Format	AAC-LC
				Max. Channels	3
Video Inputs	VGA	1	Streaming Outputs	Streaming Format	RTMP/RTP
	HDMI	4		Video Format	H.264 High/Main/Baseline
	SDI	3		Audio Format	AAC-LC
Supported Resolution	VGA/HDMI	720P up to 1080P(60)		Supported Resolution	320x240 to 1080p (30)
	SDI	720P(60) up to 1080P(30)		Supported Bitrate	300kbps up to 4Mbps
Video Outputs	VGA	1		Max. Channels	2
	HDMI	1			Live Streaming × 1
Audio Inputs	HDMI	4 (Stereo)			Conference × 1
	Audio-in (3.5mm)	1 (Stereo)	Storage	Internal HDD Capacity	1TB
	MIC-in (3.5mm)	1 (Mono)			
	Phoenix Plug 1 × 6	1 (Stereo)		Storage File Format	MP4
	Bluetooth RX *1	1 (Mono)		External Storage	Yes via USB Type A
Audio Outputs	HDMI	1 (Stereo)		Export Files	Mixed × 1
	Headset-out (3.5mm)	1 (Stereo)			Independent × 3
	Audio-out (3.5mm)	1 (Stereo)		Power	DC 24V/2.5A
	Phoenix Plug 1 × 6	1 (Stereo)		Power Consumption(Max.)	60W(Max.)
	Bluetooth TX *1	1 (Mono)		Operating Temperature	0-40℃
Ethernet	WAN	1		Operating Humidity	10-90%RH
	LAN	3	Included Accessories		Power adaptor, Power cord, Bluetooth Antenna, Balance line connector (2 units), DIDO connector, USB number keyboard stickers, Rack mount bracket (1 pair) + M4 x 6mm screw (8pcs), User's manual (concise), URL sheet
USB	Type-A	4			
	Type-B	2			
Control	CONTROL1 (RS232-out)	1			
	CONTROL2 (RS232-in/out)	1			
	DIDO Phoenix Plug 1 x 5	1			

*1 Bluetooth microphone/speaker may not be suitable to record or reproduce high quality audio contents.

- Kaltura is a trademark of Kaltura Inc.
- Moodle is a trademark registered by Moodle.
- Youtube is a trademark of Google LLC.
- Powerpoint is a trademark of Microsoft Corporation.
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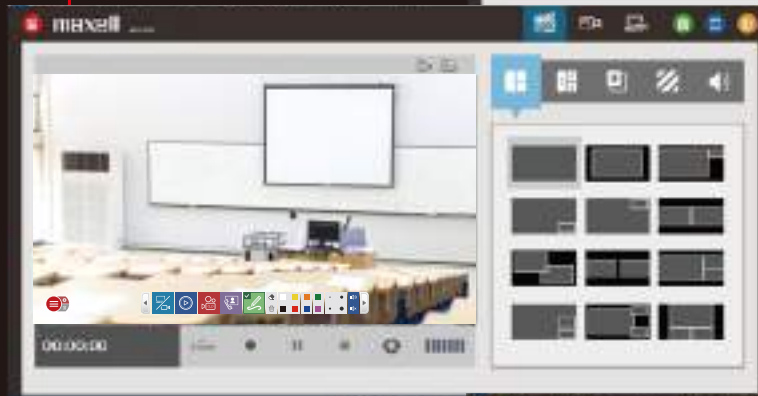- Other trademarks and trade names are those of their respective owners.

Control & Setup from Web Browser

During Lecture

At Installation

Real Time Camera Control

Layout control & Superimpose

CH Switching & Menu Control

CH Source Assignment

Upload Setting

* Internet Explorer 11, Safari 10 are recommended. Some functions such as video preview may not be supported with other browsers.

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