frontrow™
by Boxlight®

BOXLIGHT

LessonCam™

Instructional Camera

Lesson Capture, Hybrid Learning, Professional Develpment, and Safety

LessonCam is a professional quality PTZ (pan tilt zoom) camera for schools that enables teachers to capture lessons, video conference with students wherever they are, and, in case of an emergency, provide critical insight to administrators and first responders.

Capture Lessons

With crystal clear 12x Optical Zoom and the ability to instantly zoom to different locations in the room using the MyFrontRow app or the Action buttons on the FrontRow Mic, teachers can easily record lessons on their Mac or PC and upload to their LMS.

With support for common network streaming formats such as RTSP, schools can use platforms such as Safari Montage to schedule and capture lessons directly into a network media database.

Streaming for PD and Safety

LessonCam streams video over the network so it can be used for professional development across the district. If a teacher activates an alert using their FrontRow microphone, LessonCam can be activated by the FrontRow Conductor campus system, enabling administrators to view inside the classroom and provide help where needed.

Video Conferencing for Hybrid Learning

Students learning from home? No problem. Use LessonCam and the FrontRow audio system to engage students with Zoom®, Google Meet®, Teams®, Skype® or MimioConnect®.

zoom skype MimioConnect®

Specifications

LessonCam Camera

Sensor	1/2.8” HD CMOS sensor, 2.0MP
Resolution	Up to 1920 x 1080p 30/25/20/15
Compression	H.264, H.265
Video Interface	USB 2.0
LAN Interface	VISCA, PELCO, ONVIF, RTSP & RTMP supported
Control Signal Interface	RS-232, RS-485
Control Protocol 115200/9600/4800/2400bps	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps
Zoom	12x lossless true optical zoom
Field of view	Horizontal 72.5° (wide) ~ 6.3° (tele)
Mechanical pan	±170°
Mechanical tilt	-30°~+90°
Control	MyFrontRow app
Dimensions (wxhxd)	150 x 167.5 x 150mm / 5.9 x 6.6 x 5.9in
Weight	1.4kg / 3lbs
Power	12VDC

LessonCam Mounting Bracket for ezRoom

Dimensions (wxhxd)	15.2 x 7.9 x 24.8cm / 6 x 3.125 x 9.75in
Compatibility	ezRoom
Mounting	Wall mount
Connectivity	Integrated cable harness for power, control and audio/video integration
Computer Integration	(2) 4m/13ft USB-B to USB-A cables (included)
Room Integration	Dual USB Decora wall plate with 2 15m/50ft USB-B to USB-A cable
Power Supply	110-220VAC Input / 12VDC/2A Output

LessonCam Mounting Bracket for Juno

Dimensions (wxhxd)	15.2 x 26.5 x 15.2cm / 6 x 10.375 x 6in
Compatibility	Juno, Juno Connect
Mounting	VESA 100mm x 100mm compatible
Connectivity	Integrated cable harness for power, control and audio/video integration
Computer Integration	15m/50ft USB-B to USB-A cable (included)

MyFrontRow App

FrontRow Devices Support	FrontRow LessonCam ezRoom Voice & Alert (ELEVATE)
Operating System	Android 9 or later
Supported Displays	• Mimio ProColor 3 • Mimio Pro 4 • Mimio Pro G (EDLA) • Clevertouch IMPACT Plus • Clevertouch IMPACT Max • Clevertouch LUX (ELDA) • For third party Android-based interactive panels contact your Boxlight sales representative
Network Requirements	MyFrontRow communicates with the ezRoom, LessonCam, and Conductor over the network. A network route from the device running the MyFrontRow software to the FrontRow VLAN must be configured. For security purposes a password on the FrontRow hardware is recommended.

Learn more at **boxlight.com**

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