VISSONIC

15.6" /17.3" /21.5" Ultra-thin retractable screen product datasheet

VISSONIC ELECTRONICS LTD.

System Diagram

HD display

Reservation server

VIS-SERVER-E2S paperless controller

HDMI

HDMI

CAT5e

VIS-VIDSTMER Streaming Server

Switch

VIS-DCP2000-D Controller

HDMI

CAT5e

CAT5e

CAT5e

VIS-15/17/21LSSC−A

SDI

VIS-15/17/21LDSC−A

HDMI

VIS-DS200-I-P

VIS-CATC-B Camera controller

External video source

VIS-DS200-I-P

HDMI

VIS-15/17/21LSSCM−A

HDMI

VIS-CLIENT100 Client

USB
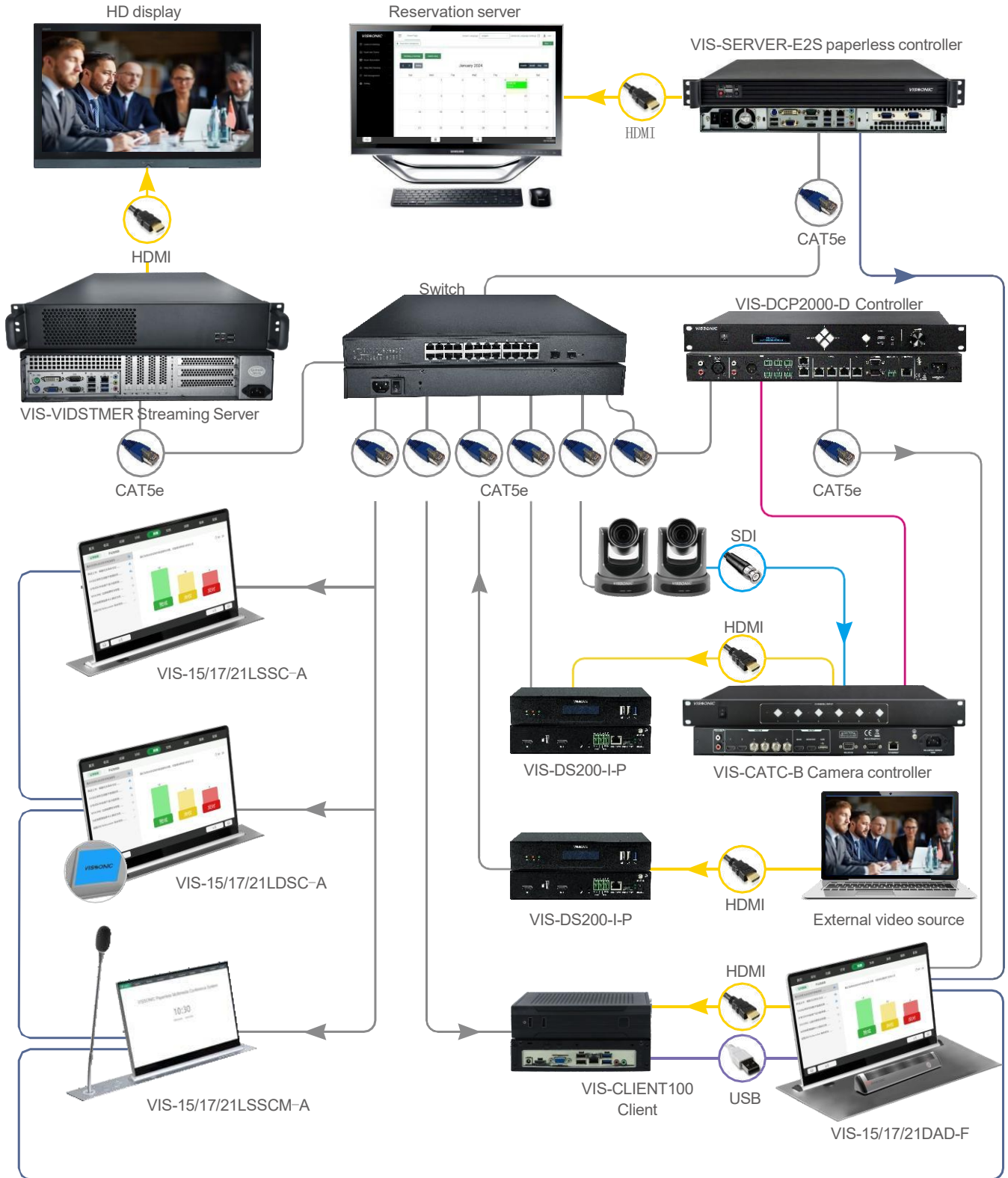
VIS-15/17/21DAD-F

| CAT5e | RS-232 | RS-485 | USB | SDI | HDMI | VGA |

VIS-15/17/21LSSC
(15.6" /17.3" /21.5"Height-Adjustable Touch Screen)

Overview

This product uses advanced intelligent technology to achieve HD touch display, intelligent lifting, automatic elevation, intelligent control, and a compact and beautiful aluminum structure of integrated design. It provides functions such as automation, theft prevention, dust prevention, and desktop beautification. It can be widely applied in various scenarios including conferences, command centers, offices, hotels, teaching, and studios.

Features

• 15.6" /17.3"/21.5" height-adjustable display, IPS full view, screen ratio of 16:9, resolution of 1080p, dustproof and fingerprint-proof 10-point capacitive touch screen, sensitivity($\leq$ 2 oz), touch response time ($\leq$ 3 ms).

• Integrated design of the display screen and touchscreen, thedisplay glass features a curved edge design and ultra narrow black border ($\leq$ 5 mm), Excellent color reproduction, no graying or detachment issues.

• Display screen integrated with lift mechanism, using ultra-narrow, ultra-thin finely sandblasted anodized panel. The panel thickness is only 3mm, with a width of just 70mm, minimizing desktop space while maintaining aesthetics.

• The device is designed with a low-voltage 12VDC circuit, free from internal 220VAC AC switch power. It utilizes external 12VDC power, eliminating the risk of leakage andensuring safety and reliability.

• Panel buttons control five mechanical actions: raise, lower, stop, forward, and backward. The display automatically tiltsup 15° after raising.

• Intelligent lift with automatic power on when raising, energy- saving auto power-off when lowering for safety.

• Integrated panel with power switch and retractable metalUSB for secure connectivity, avoiding dust cover detachment. Allows file reading from a USB drive, local browsing, or server upload.

• Anti-obstacle and anti-pinch function. If obstacles block orfall into the device, it stops operation within a set time to prevent damage.

VISSONIC Ultra-thin retractable screen

● The lift display supports HDMI and VGA signals simultaneously. It auto-recognizes a single signal and manually switches for dual signals. Enters power-saving mode with no signal.

● Panel button control and unified RF remote control are supported. The RS485 hand-in-hand structure is used to control the lifter movement state, such as upward, stop, and downward.

VIS-15/17/21 LDSC
(15.6" /17.3"/21.5" Height-Adjustable Touch Screen with Rear Screen)

Overview

This product uses advanced intelligent technology to achieve HD touch display, intelligent lifting, automatic elevation, intelligent control, and a compact and beautiful aluminum structure of integrated design. It provides functions such as automation, theft prevention, dust prevention, and desktop beautification. It can be widely applied in various scenarios including conferences, command centers, offices, hotels, teaching, and studios.

Features

● 15.6" /17.3"/21.5"height-adjustable display, IPS full view, screen ratio of 16:9, resolution of 1080p, dustproof and fingerprint-proof 10-point capacitive touch screen, sensitivity ($\leq$ 2 oz), touch response time ($\leq$ 3 ms).

● Integrated design of the display screen and touchscreen, the display glass features a curved edge design and ultra narrow black border ($\leq$ 5 mm), Excellent color reproduction, no graying or detachment issues.

● 10.1-inch rear display screen, utilizing IPS full-view technology, capable of showing attendee information such as name, position, and organization. It supports centralized backend modifications for displayed content, background color, custom background images, and font color.

● Display screen integrated with lift mechanism, using ultra- narrow, ultra-thin finely sandblasted anodized panel. The panel thickness is only 3mm, with a width of just 70mm, minimizing desktop space while maintaining aesthetics.

VISSONIC   Ultra-thin retractable screen

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● Panel buttons control five mechanical actions: raise, lower, stop, forward, and backward. The display automatically tilts up 15° after raising.

● Intelligent lift with automatic power on when raising, energy saving auto power-off when lowering for safety.

Integrated panel with power switch and retractable metal USB for secure connectivity, avoiding dust cover detachment. Allows file reading from a USB drive, local browsing, or server upload.

● Anti-obstacle and anti-pinch function. If obstacles block or fall into the device, it stops operation within a set time to prevent damage.

● The lift display supports HDMI and VGA signals simultaneously. It auto-recognizes a single signal and manually switches for dual signals. Enters power-saving mode with no signal.

● Panel button control and unified RF remote control are supported. The RS485 hand-in-hand structure is used to control the lifter movement state, such as upward, stop, and downward.

VIS-15/17/21LSSCM
(15.6" /17.3"/21.5" Height-Adjustable Touch Screen with Lifting MIC)

Overview

This product uses advanced intelligent technology to achieve HD touch display, intelligent lifting, automatic elevation, intelligent control, and a compact and beautiful aluminum structure of integrated design. It provides functions such as automation, theft prevention, dust prevention, and desktop beautification. It can be widely applied in various scenarios including conferences, command centers, offices, hotels, teaching, and studios.

Features

● 15.6" /17.3"/21.5"height-adjustable display, IPS full view, screen ratio of 16:9, resolution of 1080p, dustproof and fingerprint-proof 10-point capacitive touch screen, sensitivity (≤ 2 oz), touch response time (≤ 3 ms).

VISSONIC Ultra-thin retractable screen

- Integrated design of the display screen and touchscreen, the display glass features a curved edge design and ultra narrow black border (≤ 5 mm), Excellent color reproduction, no graying or detachment issues.

- Display screen integrated with lift mechanism, using ultra- narrow, ultra-thin finely sandblasted anodized panel. The panel thickness is only 3mm, with a width of just 70mm, minimizing desktop space while maintaining aesthetics.

- The device is designed with a low-voltage 12VDC circuit, free from internal 220VAC AC switch power. It utilizes external 12VDC power, eliminating the risk of leakage and ensuring safety and reliability.

- Panel buttons control five mechanical actions: raise, lower, stop, forward, and backward. The display automatically tilts up 15° after raising.

- Intelligent lift with automatic power on when raising, energy saving auto power-off when lowering for safety.

- Integrated panel with power switch and retractable metal USB for secure connectivity, avoiding dust cover

- detachment. Allows file reading from a USB drive, local browsing, or server upload.

- Anti-obstacle and anti-pinch function. If obstacles block or fall into the device, it stops operation within a set time to prevent damage.

- The lift display supports HDMI and VGA signals simultaneously. It auto-recognizes a single signal and manually switches for dual signals. Enters power-saving mode with no signal.

- Panel button control and unified RF remote control are supported. The RS485 hand-in-hand structure is used to control the lifter movement state, such as upward, stop, and downward.

- Equipped with a separate lift for the microphone, featuring independent buttons for both raising and lowering.

- Built-in conference speaking unit, chairman unit with priority and speech buttons, utilizing standard CAT5e as the connecting cable, RJ45 connector, supporting independent adjustment of unit microphone sensitivity and 8-stage equalizer EQ.

- Equipped with 2 3.5mm speaker output ports, 1 RJ11 voting function module expansion port, 2 RJ45 cascade interfaces. It can expand embedded conference voting, interpretation, and speaker amplification modules.

- High-fidelity audio quality, lossless audio transmission technology, 48K audio sampling frequency, 20Hz~20KHz response frequency.

- Built-in microphone unit with hot-plug and auto-recovery functionality.

- Supports voice control mode, intelligently opens the microphone and sets the closing time. Adjustable voice sensitivity with customizable automatic shutdown time for inactive microphones, up to a maximum of 140 seconds. Settings can be configured through the conference host front panel menu or PC software.

VISSONIC **Ultra-thin retractable screen**

VIS-15/17/21 LDSCM
(15.6"/17.3"/21.5" Height-Adjustable Touch Screen with Rear Screen)

Overview

This product uses advanced intelligent technology to achieve HD touch display, intelligent lifting, automatic elevation, intelligent control, and a compact and beautiful aluminum structure of integrated design. It provides functions such as automation, theft prevention, dust prevention, and desktop beautification. It can be widely applied in various scenarios including conferences, command centers, offices, hotels, teaching, and studios.

Features

● 15.6" /17.3"/21.5"height-adjustable display, IPS full view, screen ratio of 16:9, resolution of 1080p, dustproof and fingerprint-proof 10-point capacitive touch screen, sensitivity (≤ 2 oz), touch response time (≤ 3 ms).

● Integrated design of the display screen and touchscreen, the display glass features a curved edge design and ultra narrow black border (≤ 5 mm), Excellent color reproduction, no graying or detachment issues.

● 10.1-inch rear display screen, utilizing IPS full-view technology, capable of showing attendee information such as name, position, and organization. It supports centralized backend modifications for displayed content, background color, custom background images, and font color.

● Display screen integrated with lift mechanism, using ultra- narrow, ultra-thin finely sandblasted anodized panel. The panel thickness is only 3mm, with a width of just 70mm, minimizing desktop space while maintaining aesthetics.

● The device is designed with a low-voltage 12VDC circuit, free from internal 220VAC AC switch power. It utilizes external 12VDC power, eliminating the risk of leakage and ensuring safety and reliability.

● Panel buttons control five mechanical actions: raise, lower, stop, forward, and backward. The display automatically tilts up 15° after raising.

● Intelligent lift with automatic power on when raising, energy saving auto power-off when lowering for safety.

● Integrated panel with power switch and retractable metal USB for secure connectivity, avoiding dust cover

- detachment. Allows file reading from a USB drive, local browsing, or server upload.

- Anti-obstacle and anti-pinch function. If obstacles block or fall into the device, it stops operation within a set time to prevent damage.

- The lift display supports HDMI and VGA signals simultaneously. It auto-recognizes a single signal and manually switches for dual signals. Enters power-saving mode with no signal.

- Panel button control and unified RF remote control are supported. The RS485 hand-in-hand structure is used to control the lifter movement state, such as upward, stop, and downward.

- Equipped with a separate lift for the microphone, featuring independent buttons for both raising and lowering.

- Built-in conference speaking unit, chairman unit with priority and speech buttons, utilizing standard CAT5e as the connecting cable, RJ45 connector, supporting independent adjustment of unit microphone sensitivity and 8-stage equalizer EQ.

- Equipped with 2 3.5mm speaker output ports, 1 RJ11 voting function module expansion port, 2 RJ45 cascade interfaces. It can expand embedded conference voting, interpretation, and speaker amplification modules.

- High-fidelity audio quality, lossless audio transmission technology, 48K audio sampling frequency, 20Hz~20KHz response frequency.

- Built-in microphone unit with hot-plug and auto-recovery functionality.

- Supports voice control mode, intelligently opens the microphone and sets the closing time. Adjustable voice sensitivity with customizable automatic shutdown time for inactive microphones, up to a maximum of 140 seconds. Settings can be configured through the conference host front panel menu or PC software.

VISSONIC — Ultra-thin retractable screen

Specification

LIFTER	VIS-15/17/21LS SC	VIS-15/17/21LD SC	VIS-15/17/21LS SCM	VIS-15/17/21LD SCM
Front Screen	Grade A 15.6"/17.3"/21.5" HD WVA ultra thin LCD			
Resolution	1920 × 1080P, aspect ratio of 16:9			
Touch screen	High-sensitivity capacitive screen, supporting ten-point touch			
Display screen auto-tilts intelligently Backlight type	≤ 15° WLED, 15K hours, including the LED driver			
Contrast	600:1			
Brightness	300CD/㎡			
Visual angle	45/45/20/40(Typ.)			
Rear Screen	-	10.1 inches	-	10.1 inches
Resolution	-	1024*600P, ratio:16:9	-	1024*600P, ratio:16:9
Transmission method	Adopting a precision lifting system with a combination of linear guides and chain drive, driven by an AC geared motor			
Panel process	Aluminum CNC integral forming anodized brushed craftsmanship			
Panel functions	USB interface, up (screen tilted forward), stop, down (screen restoring to vertical state), signal switching,and device turned on/off			
Lift control mode	RF remote control within 30 m, manual control, RS232/485			
Chassis interfaces	Interfaces: DC12V power input/output *2, USB-B touch input *1, USB-A PC power switch *1, screen video input interfaces HDMI *1, VGA *1; Control interfaces: RJ45 *2 (RS-485/RS232 protocols supported)			
Environment conditions	Operating temperature: –10℃ to 45℃, relative humidity: ≤ 80%　(20±5℃)			
Motor	Lifting motor: 18 W, 5R/MIN, angle motor: 14 W, 5R/MIN			
Max Power	60W/96W			
Power supply	220 V AC, frequency of 50/60 Hz			
Product dimensions	422x70x553mm/458x70x553mm/560x70x603mm		555x70x683mm/555x70x683mm/675x70x723mm	
Panel size	422x70x3mm/458x70x3mm/560x70x3mm		555x70x3mm/555x70x3mm/675x70x3m m	
Chassis size	412x58x550mm/448x58x550mm/550x58x600mm		545x58x680mm/545x58x680mm/665x60x720mm	
Chassis hole size	414x60mm/450x60mm/550x60mm		547x60mm/547x60mm/667x62mm	
Panel	423x71x3mm/459x71x3mm/561x71x		556x71x3mm/556x71x3mm/676x71x3	

| counterbore size	3mm	mm
Overall weight	7.5kg/8.5kg/12.5kg 8kg/9kg/13kg	13kg/15kg/18.5kg 13.5kg/15kg/19kg
Installation method	Embedded installation	
Sound Pickup	-	Heart type capacitance
Maximum power consumption	-	2.0W
Frequency response	-	20Hz ~ 20kHz
THD	-	<0.1%
Dynamic range	-	>94dB
SNR	-	>96dB
Nominal microphone input	-	>70dB SPL
Maximum microphone input	-	>100dBSPL
Sensitivity	-	- 46 dBV/Pa
Connection method	-	CAT5/CAT6 cable + RJ45 network port

Note: The parameters may vary due to product upgrade. The actual parameters shall prevail.

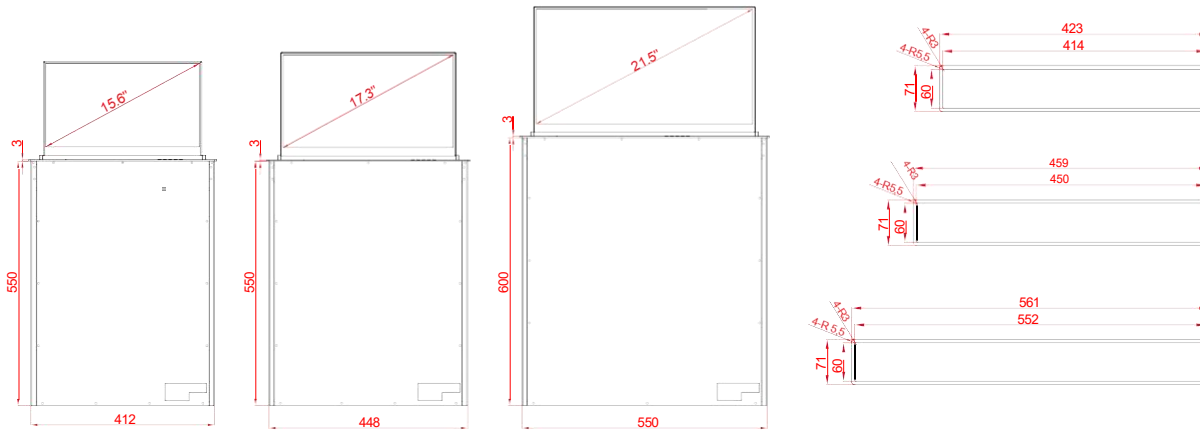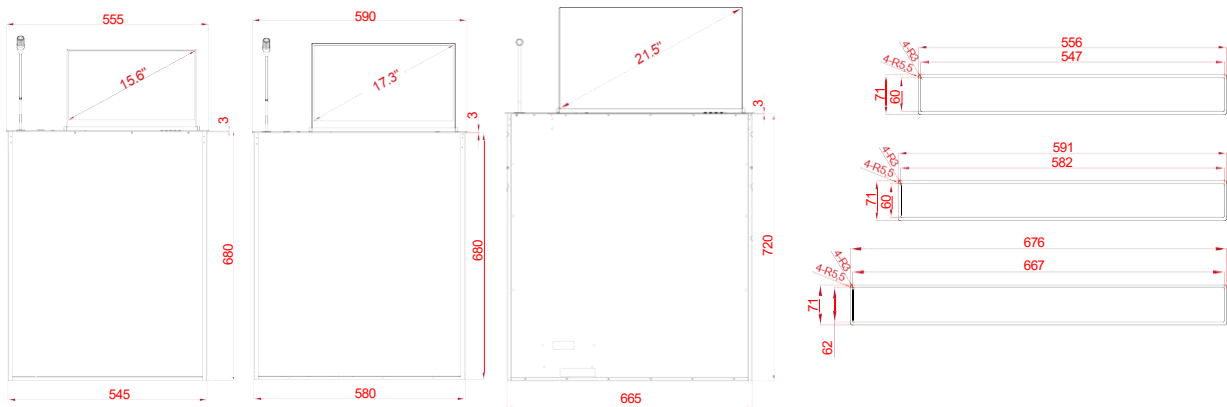# VISSONIC Ultra-thin retractable screen

Dimensional drawing

VIS-15/17/21LSSC
15/17/21lifting screen
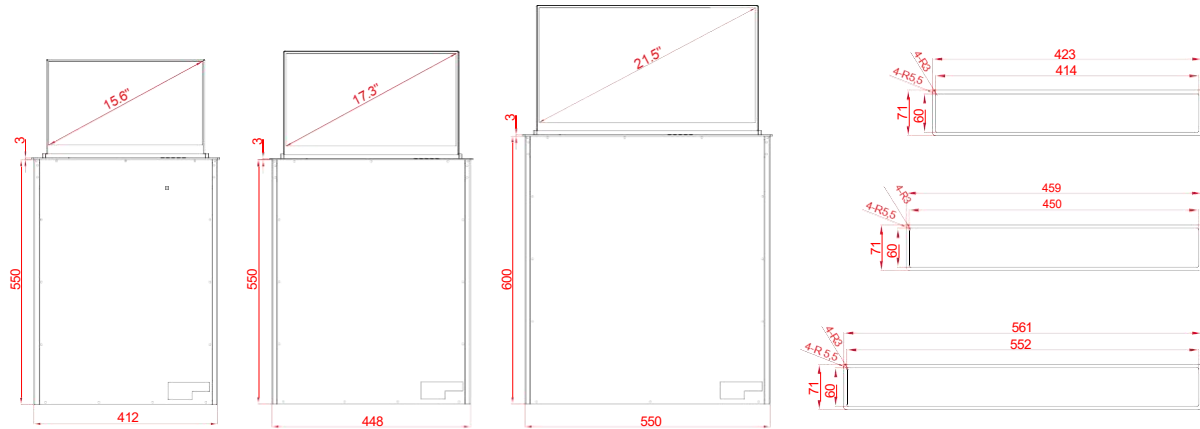
VIS-15/17/21LDSC
15/17/21lifting screen with name display

VIS-15/17/21LSSCM
15/17/21lifting screen with retractable microphone

VIS-15/17/21LDSCM
15/17/21lifting screen with name display and retractable microphone