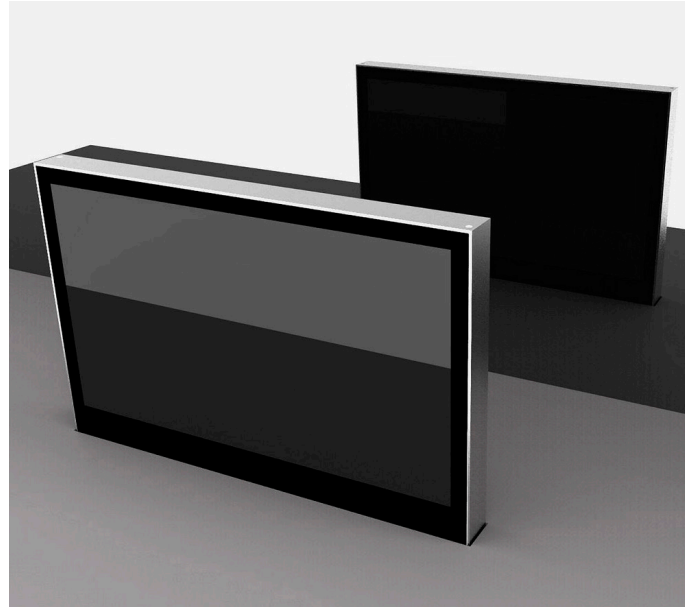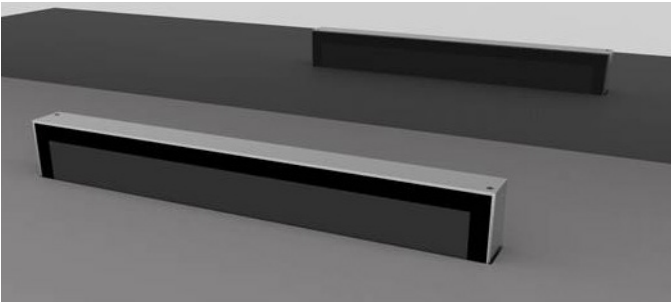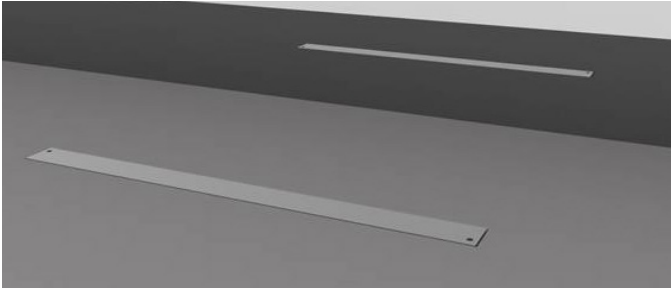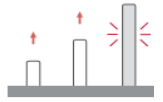![AH ARTHUR HOLM logo]

DB1Twin

HDCP compliant retractable double sided motorized solution
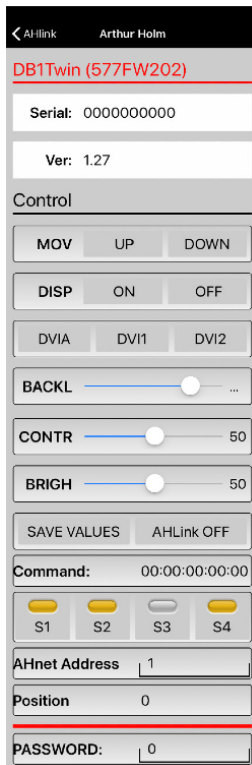
Highlights

- Vertical motorized double sided retractable solution
- No cover plate required (monitor completely streamlined within the furniture)
- Two operation sensors on top of the aluminum housing (to rise and lower the screens)
- 40mm thickness
- Front anti-reflective 2 sides coating 2mm black edged glass
- Prepared to be veneered
- Interactive Setup Display (ISD)
- Maintenance free
- HDCP compliant
- Energy saving design, low consumption video controller
- Serial control and remote diagnosis
- Wireless connectivity for setup and control
- Individual monitor addressing
- AHlink: Wireless connectivity for setup, adjustments, and
- control
- Auto Mechanical Movement Calibration (AH-AMMC)

Technology serving Design

General

The Dynamic DB1Twin is a vertically retractable solution with two screens. Two monitors are placed back to back in a compact anodized aluminum frame. Different contents can be displayed, allowing a 2 way communication in reception desks, information counters or in meeting and conference rooms tables with limited space. The DB1Twin is only visible when required, disappearing inside the table by just the touch of a button or by remote control. DB1Twin is elegant, beautiful from all angles, and discreetly integrated The Dynamic1Twin is only visible when required,

disappearing inside the table by just the touch of a button or by remote control.

The monitor housing is made od milled anodized aluminum and the passive cover plate is made of brushed stainless steel. Aluminum is a durable surface, it is extremely resistent and it also serves to dissipate heat. The anodized finish provides a soft, silky effect. Dynamic1Twin can be controlled and diagnosed remotely through ERT interfaces in an easy and cost effective way.

Technical Specifications

Display x 2

Size	FULL HD 21.5" TFT Active Matrix, widescreen format. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	350 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v) 178° (h)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	30,000 hrs
Response time	Tg-g 14ms
Temperature (operating/storage)	Operating 0ºC ~ +40ºC Storage -20ºC ~ +60ºC

Materials

Monitor housing	Anodized Aluminum
Cover plate	Anodized Aluminum

Connectivity

Input signal x2	DVI-I (1 input per monitor) DVI-D (1 input per monitor) HDCP Compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control

Engine

Up / Down	Capacitive touch sensor, GPI, RS422
Electronic Control	PWM

Control

Monitor Control	RS422 (RJ45 CAT6)
AHlink	

Electrical

External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	80W

Accessories

ERT	Ethernet Interface Unit

Mechanical

Dimensions:

Top frame	518 x 40 mm [20.39” x 1.57”]
Housing below the table	621 x 587 x 98 mm [23.90" x 24.45" x 3.15"]
Weight	24 Kg / 52.91 Lbs

Shipping Dimensions:

Weight	26 Kg / 57.32 Lbs
Shipping Box	720 x 170 x 710 mm [28.4" x 6.7" x 27.9"]

Options

• Underneath installation

Certifications

• CE
• FCC
• IECEE

Warranty

• 2 years general warranty

Technology serving Design

Connectivity panel

1- Power input

2- GPI control

3- DVI-D video input - digital (Screen 1)

4- DVI-I video input - analog/digital (Screen 1)

5- AHnet control interface

6- DVI-D video input - digital (Screen 2)

7- DVI-I video input - analog/digital (Screen 2)

Interactive Setup Display (ISD)

Consultants, architects and engineers specifitions

Vertically retractable motorized 21.5" professional solution with two monitors placed back to back in a compact anodized aluminum frame. The monitor housing shall be made of milled anodized aluminum with a thickness of 40 mm and the screens shall be protected with an antireflecting 2 side coating black edged 2 mm glass. The monitor housing shall be flush with the table when the monitor is in recessed position. Two capacitive buttons that shall be placed at the top of the monitor shall activate the monitor's movements. The monitors shall have a brightness of 350 cd/m2, a contrast ratio of 1000:1 and a backlight lifespan of 30.000 hours.

The monitors shall provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer. The monitors shall provide an addressable RS-422 and an easy to read Interactive Setup Display (ISD) to access the safety parameters, the setup of the speed and the control of the brightness, contrast and backlight. The monitors shall be able to run an auto adjustment program to reset the factory setups.

The monitors shall provide a USB port for firmware upgrades. The monitors shall be controlled by a wireless Android and iOS App providing information about the monitor's serial number, and providing access to the control and to the setup menu.

Technology serving Design

60[2,4] 530[20,9] 60[2,4] 37,5[1,5] 32,8[1,3]

325[12,8]

90° 3[0,1]

591[23,3]

631,4[24,9] 83,5[3,3]

95[3,7]

650[25,6]

ARTHUR HOLM

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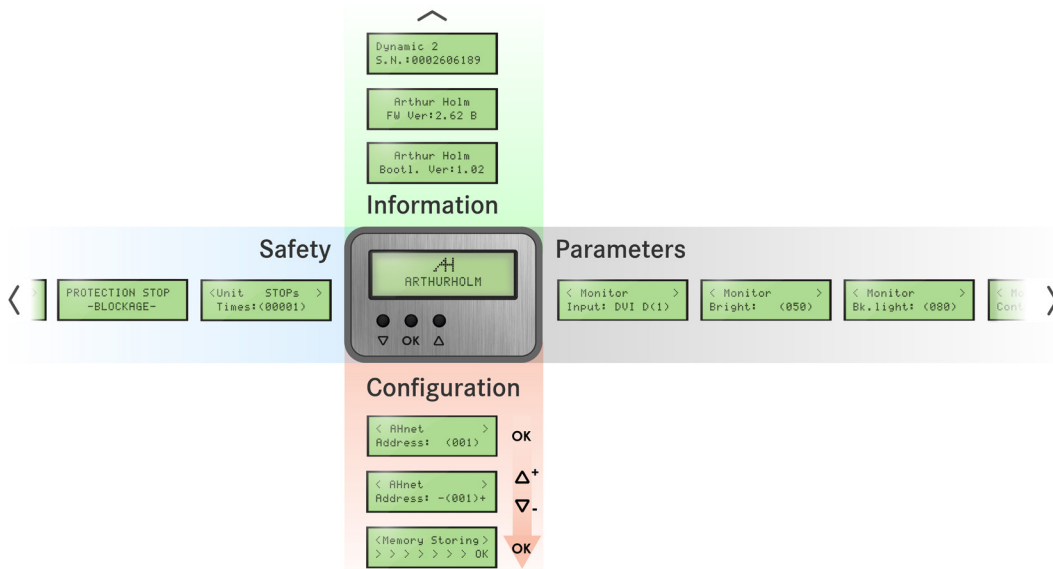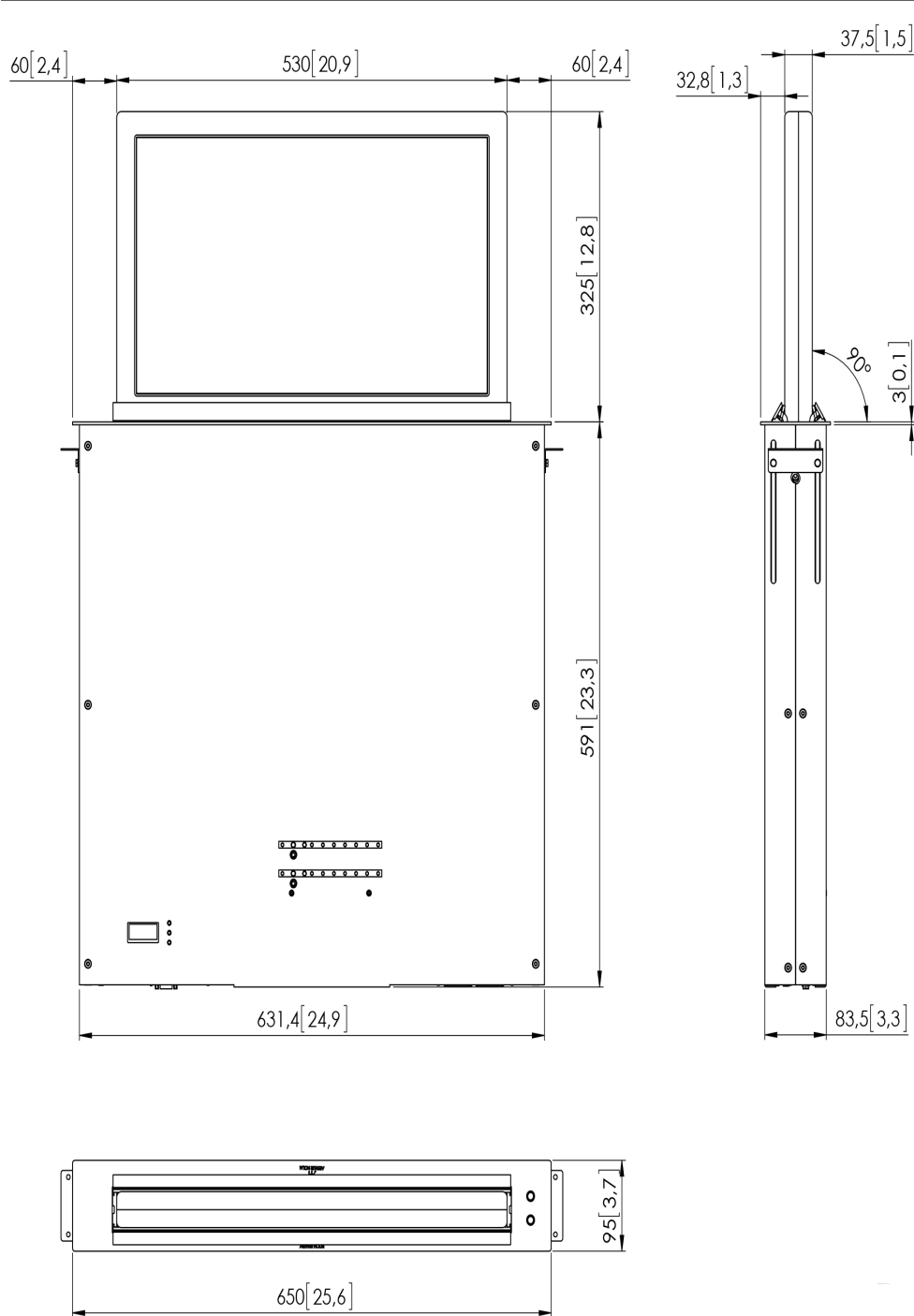
Technology serving Design

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