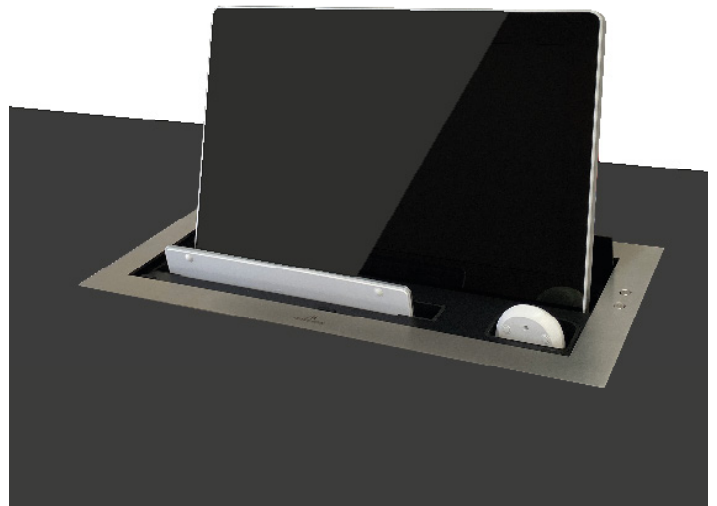# ARTHUR HOLM
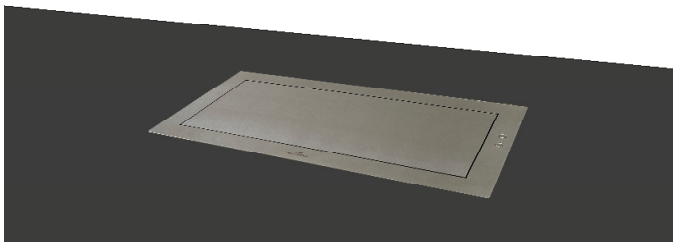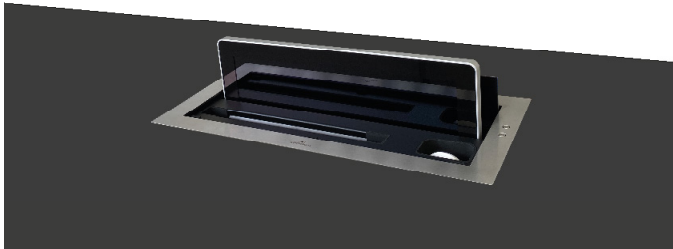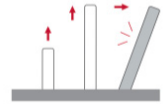
DynamicX2KM

HDCP compliant aluminum retractable motorized monitor with an automated compartment for keyboard and mouse

reddot design award

Arthur Holm
connected to AH_6789

D2 (577FW202_3)

| Serial: 0000120536 |
| Ver: 2.23 |
| Cover: 0.4 |

Control

MOV	UP	DOWN
DISP	ON	OFF
DVIA	DVI1	DVI2

BACKL	80
CONTR	50
BRIGH	50

SAVE VALUES

| S1 | S2 | S3 | S4 | S5 |

AHnet Address
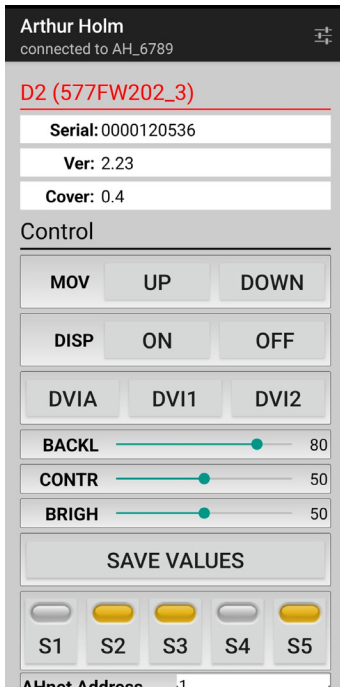
Highlights

- Vertical motorized HDCP compliant monitor with 20° of inclination
- Synchronized lift system to raise and retract a keyboard and mouse compartment
- Patented single engine mechanism for up/down and tilt movements
- Milled aluminum housing
- Front anti-reflective 2-side coated 3mm black edged glass
- Stainless steel customizable cover plate
- Maintenance free
- Energy saving design, low consumption video controller
- Interactive Setup Display (ISD)
- Auto mechanical Movement Calibration (AH-AMMC)
- Compatible wireless connectivity for setup and control via AHlink

Download on the App Store

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General

Arthur Holm DynamicX2KM is a motorized retractable monitor with an integrated lifting system for storing a wired or wireless keyboard and mouse. It is an HCDP compliant aluminum retractable monitor with a synchronized motorized keyboard and mouse compartment ideal for optimizing space in workstations. The monitor, keyboard and mouse are concealed underneath a stainless steel cover plate that opens and slides down inside the furniture, allowing the monitor to rise and tilt 20° to ensure the best ergonomics, viewing angle and visibility. The movement is based on a patented mechanical system. The keyboard and mouse are raised simultaneously with the monitor to a position where the user can easily access them. After the use, the keyboard and mouse can be placed back in this compartment where they disappear under the stainless steel cover plate together with the monitor, leaving the desk neat and free of any obtrusive device.

The monitor has slightly curved edges for a contemporary and longstanding look and the screen is protected with an anti-reflective 2 side coating 3 mm black edged glass. DynamicX2KM are equipped with 2 DVI HDCP compliant inputs and equipped with an Interactive Setup Display allowing the control, setup and diagnose of the monitors. Monitors provide RS-422/RS-485 Full Duplex I/O allowing the remote control of movements, speed, safety settings, brightness, contrast and backlight.

The monitors are equipped with an Auto Mechanical Calibration Movement System (AH-AMMC). The use of the Arthur Holm's ERT will enable the address configuration of all the monitors installed in a table by simply pressing a button.

Technical Specifications

Display

Size	FULL HD 17.3" TFT Active Matrix, widescreen format. LED backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) 80°/80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
Response time	Tr 37 ms, Tf 3 ms
Temperature (operating/storage)	Operating 0ºC ∼+40ºC Storage -20ºC ∼+60ºC

Materials

Monitor housing	Anodized Aluminum
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel

Connectivity

Input signal	DVI-I (1 input) Digital / Analog DVI-D (1 input) Digital - HDCP Compliant
RJ45 CAT6 (with loop)	Addressable RS-422/RS-485 Full Duplex monitor control by AHnet protocol
GPI (SubD9)	Up/Down control (opto isolated)
USB	For service

Accessories

ERT	Ethernet Interface Unit

Control

RJ45, RS-422/RS-485 Full Duplex (I/O), AHNet protocol	
Addressing	
Termination switch	
GPI	
IR Remote control (monitor adjustments): 1 Remote control is provided every 5 motorized devices	

Movement's Control

User interface on monitor	(Up/Down) Buttons on cover plate
Remote	RS-422/RS-485 Full Duplex, GPI

Electrical

External power supply	100-240 Vac, 50/60Hz, 12Vdc
Power consumption	50W

Mechanical

Screen	443 x 256.8 x 25 mm [17.44" x 10.11" x 0.98"]
Top frame	539 x 262.5 x 3 mm [21.21" x 10.33" x 0.12"]
Housing below the table	525 x 598 x 80 mm [20.67" x 23.52" x 3.15"]
Weight	17.9 Kg / 39.4 Lbs

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Options and acessories

- 2/ HDMI Inputs
- DynamicLoop
- DynamicShare
- Built-in USB or HD-SDI camera

- DynamicTalk
- Projected capacitive multi-touch screen
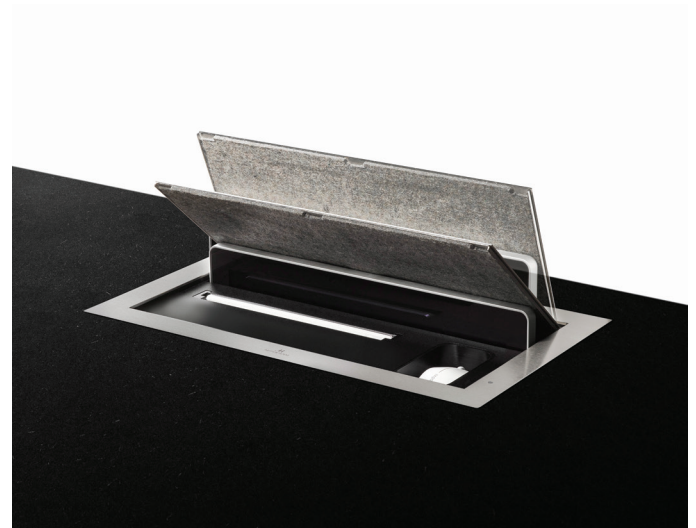- Connectors on the cover plate
- Undercover for veneer

Finishes

- Painted
- Black anodized
- Gold
- Bronze
- Laser engraved logo
- Matte cover plate

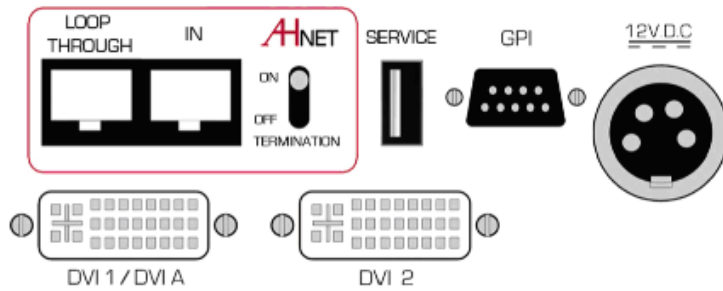## Certifications

- CE
- IECEE
- CB
- RoHs
- BIS

Warranty
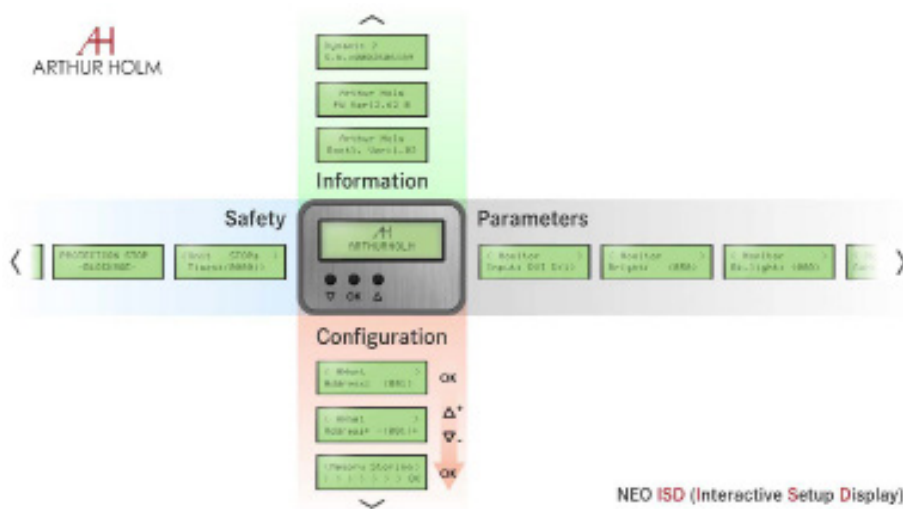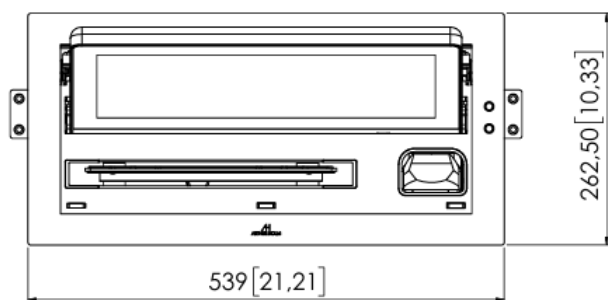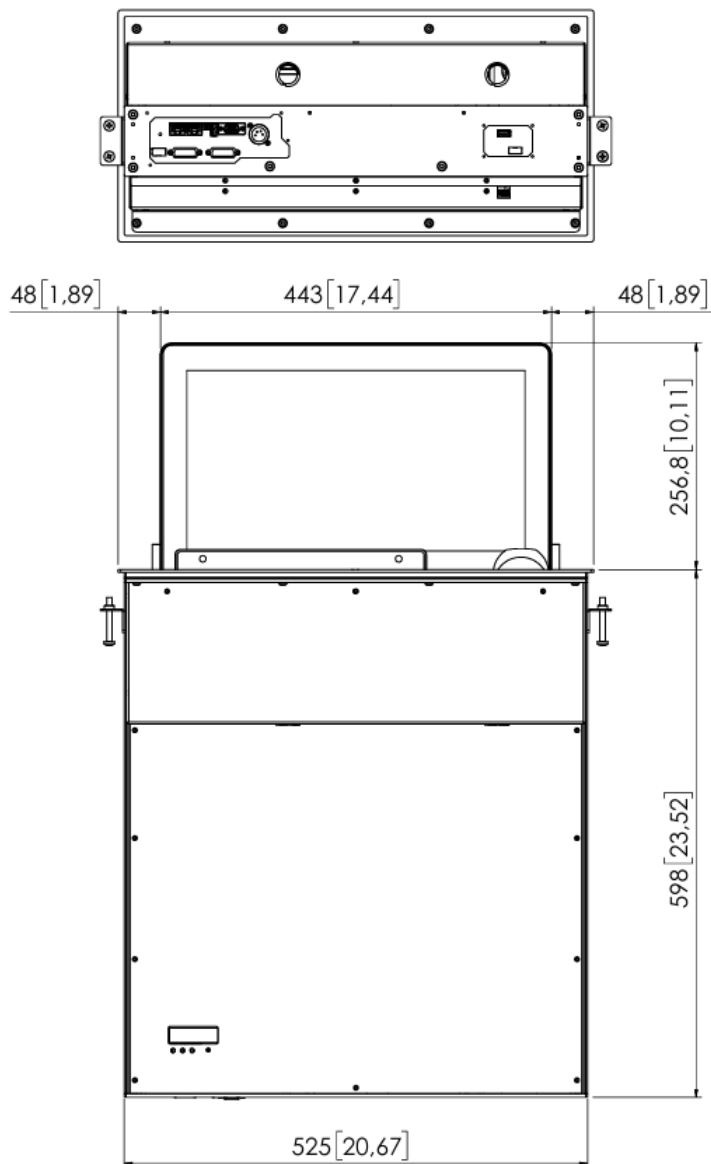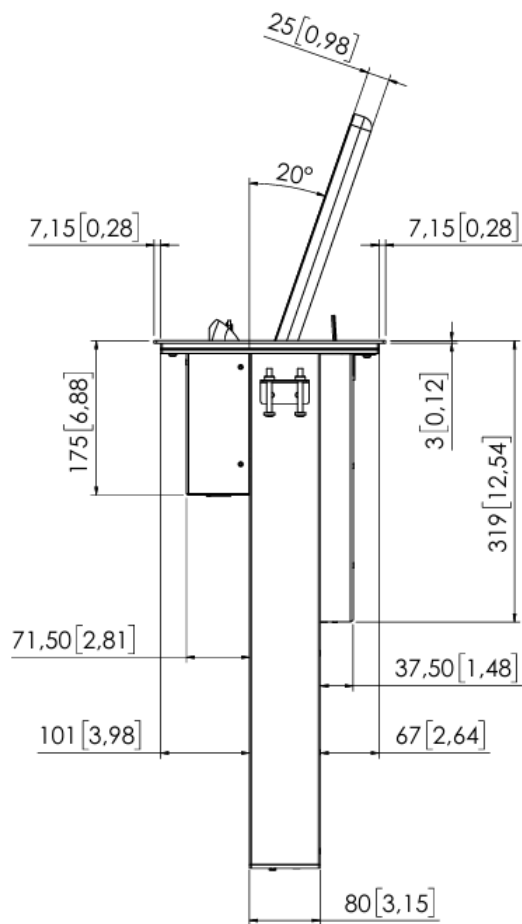
- 5 years for the mechanical parts

Interactive Setup Display (ISD)

Consultants, architects and engineers specifications

Vertically retractable motorized 17.3" Full HD professional monitor that includes a lifting and retracting mechanism to allow the lifting and storage of a wired or wireless keyboard and mouse. The cover plate shall be made of stainless steel and shall be actively activated by 2 push buttons or remotely. The cover plate shall slide down inside the furniture. The monitor housing shall be made of milled anodized aluminum and the screen shall be protected with an anti-reflecting 2 side coated 3mm glass. The monitor shall make the up/down/tilt movements with only one engine. The monitor cover plate shall provide a passive opening system and shall be made of 3mm brushed stainless steel. The monitor shall have a brightness of 400cd/m2, and a contrast ratio of 600:1.

The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP manufacturer. The monitor shall provide RS-422/RS-485 Full Duplex for the AHnet protocol and an Easy-to-Read Interactive Setup Display (ISD) for the setup, diagnose and control, and shall be compatible with ERT-30 and ERT-60. The monitor shall be able to run an auto-adjustment program to reset the factory security ratio between its factory movement speed and its protection parameters adapting the unit to the way it has been installed. The monitor shall provide a USB port for firmware upgrades. The monitor shall be compatible with the AHlink wireless Android and iOs App for the setup, diagnose and control.

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AH17DX2KM

25[0,98]

20°

7,15[0,28]   7,15[0,28]

175[6,88]   3[0,12]

319[12,54]

71,50[2,81]   37,50[1,48]

101[3,98]   67[2,64]

80[3,15]

48[1,89]   443[17,44]   48[1,89]

256,8[10,11]

598[23,52]

525[20,67]

262,50[10,33]

539[21,21]

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DynamicX2KM is designed to be equiped with standard Arthur Holm Keyboard/Mouse. If another Keyboard/Mouse is required, this should comply with the specifications below. If so, can be adapted for the chosen Keyboard/Mouse,
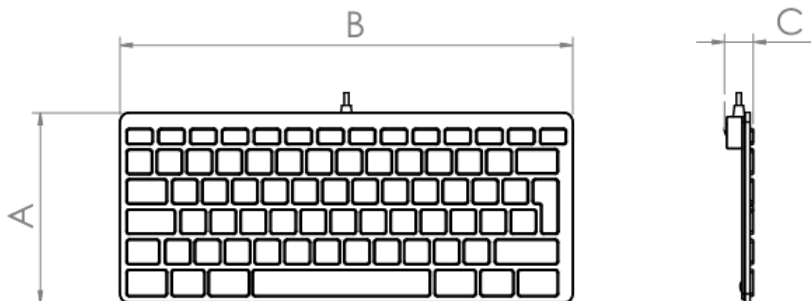
Keyboard dimension.			
Model	"A" Dimension	"B" Dimension	"C" Dimension
DX2KM FHD 17"	From 120 [4,72] to 135 [5,32]	From 270 [10,63] to 320 [12,59]	From 10 [0,39] to 25 [0,98]
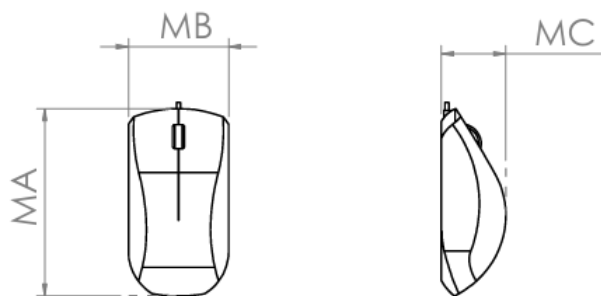
Mouse dimension.			
Model	"MA" Dimension	"MB" Dimension	"MC" Dimension
DX2KM FHD 17"	From 105 [4,13] to 120 [4,72]	From 58 [2,28] to 65 [2,56]	From 17 [0,67] to 42 [1,65]

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