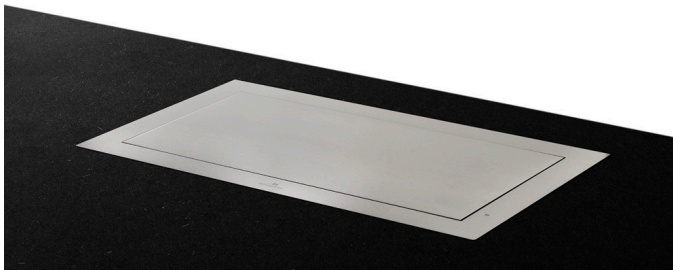# DynamicX2KM

HDCP compliant aluminium retractable motorised monitor

FEATURES

- Vertical motorised monitor with up to 20° inclination
- Patented single engine mechanism for up/down and tilt movements
- Synchronised lift system to raise and retract a keyboard and mouse compartment
- Milled aluminium monitor with anti-reflective front glass
- Active stainless steel customisable cover plate
- 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
- Auto Mechanical Movement Calibration (AH-AMMC)

GENERAL

Arthur Holm DynamicX2 is a motorised retractable product range that provides silent, reliable and harmonic movements by the use of a patented solution with one only engine. This automatic system is equipped with a variable speed system to raise, lower and tilt 20° to ensure the best ergonomics, viewing angle and visibility. We have selected the best possible aluminium finishing specifications in the world, providing the maximum technical and visual performance. DynamicX2 have 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. DynamicX2 are available from 15.6" to 23.8", 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 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. 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. The AHlink Android and iOS app allows getting the monitor's serial number without removing the unit from the table and allows access to the setup and control menu.

Display

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	0.247 (h) x 0.247 (v) mm
Viewing angle	178° (v)/178° (h)
Viewing area	476.064 (h) x 267.786 (v)
LED backlight lifespan	30,000 hrs
Response time	Tg-g 14 ms
Temperature (operating/storage)	Operating 0ºC ~+40ºC Storage -20ºC ~+60ºC

Materials

Monitor housing	Anodised Aluminium
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) – HDCP Compliant - Digital / Analog DVI-D (1 input) – HDCP Compliant - Digital
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
USB	For service

Accessories

ERT	Ethernet Interface Unit

Control

RJ45, RS-422 (I/O), AHNet protocol	
Addressing	
Termination switch	
GPI	
IR Remote control (monitor adjustments): 1/5	

Movement's Control

User interface on monitor	(Up/Down) Buttons on cover plate
Remote	RS-422 I/O, GPI

Electrical

External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	60W

Mechanical

Monitor Dimensions:

Screen	538 x 304 x 25 mm [21.21" x 11.97" x 0.98"]
Upper cover plate	636 x 95 x 3 mm [25.03" x 3.73" x 0.12"]
Housing below the table	621 x 590 x 80 mm [24.45" x 23.23" x 3.15"]
Weight	21.2 Kg / 46.7 Lbs

Automated Keyboard and Mouse compartment dimensions

Max. Keyboard dimensions	285 x 120 x 15 mm [11,22" x 4,72" x 0,52"]
Max. Mouse dimensions	120 x 65 x 40 mm [4,72" x 2,56" x 1,57"]

Shipping Dimensions:

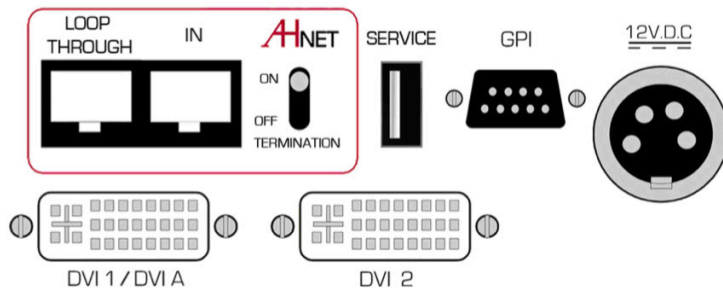|	
Weight	22.2 Kg / 48.9 Lbs
Shipping Box	715 x 165 x 705 mm [28.15" x 6.4" x 27.74"]

OPTIONS

- Laser engraved logo
- UnderCover for veneer
- Projected capacitive multi-touch screen
- UnderCover stainless steel
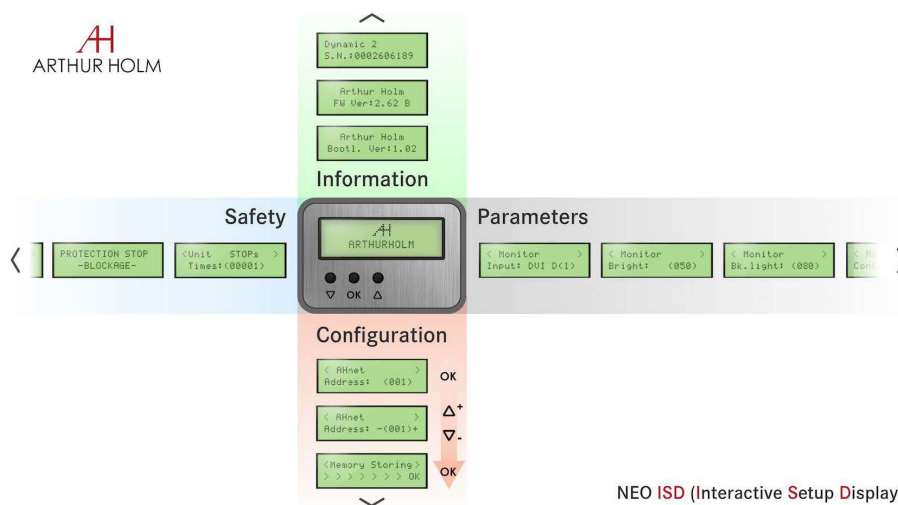- Touch sensor for UnderCover

CERTIFICATIONS

- CE
- FCC
- IECEE

WARRANTY

- 5 years limited warranty
- 2 years general warranty

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INTERACTIVE SETUP DISPLAY (ISD)

NEO ISD (Interactive Setup Display)

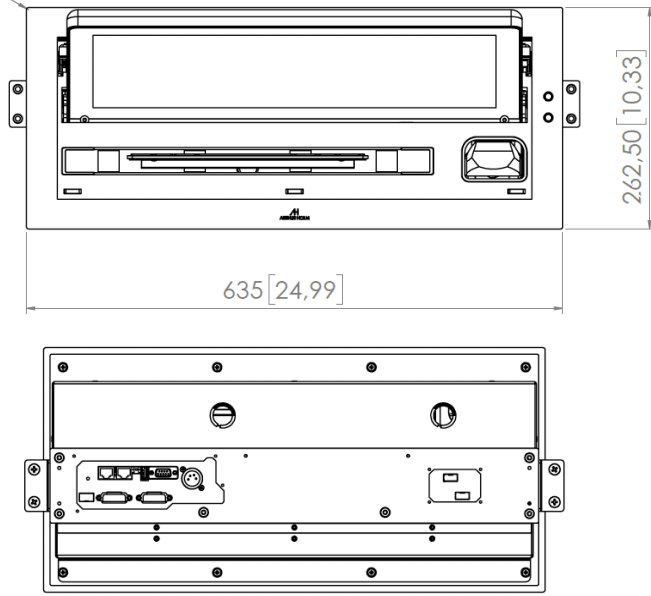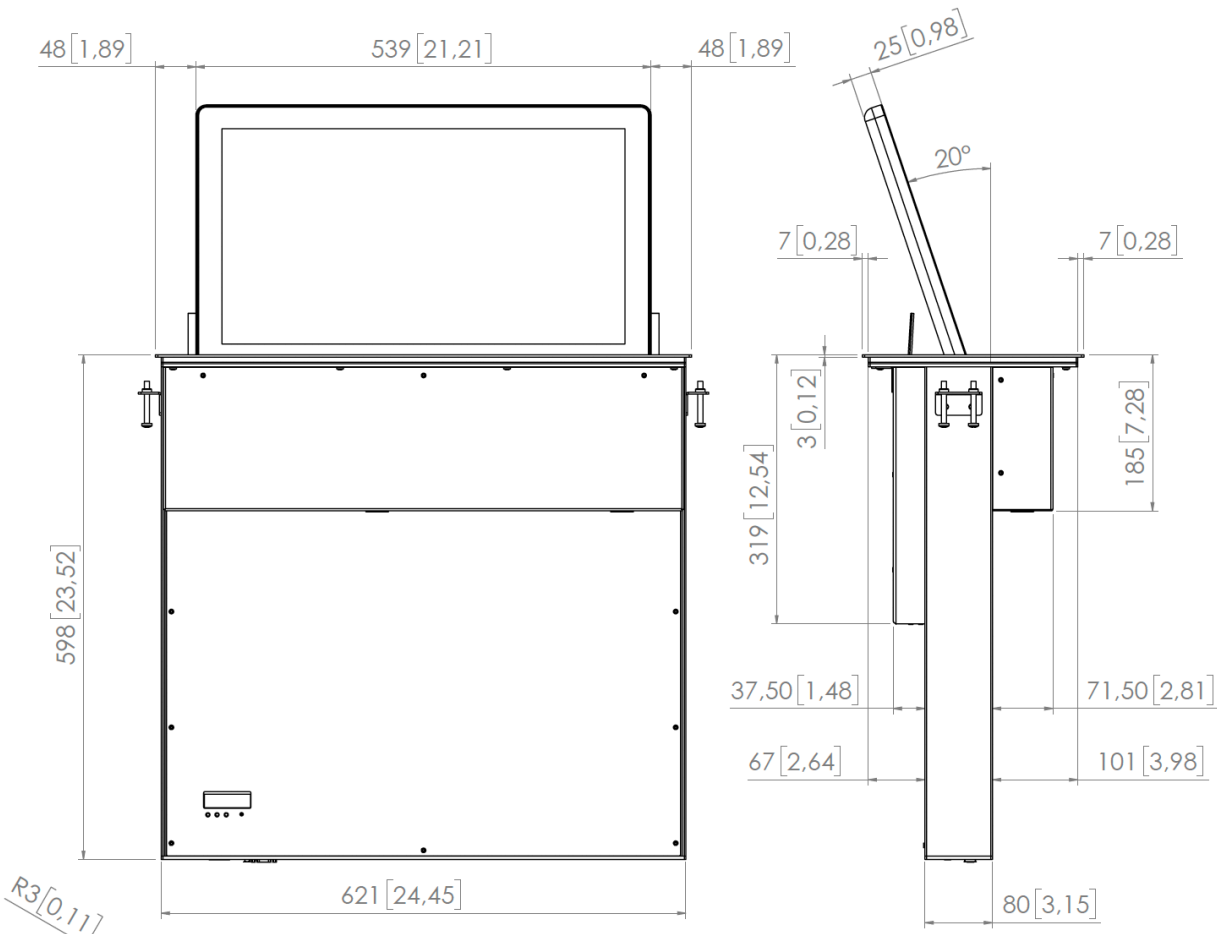## CONSULTANTS, ARCHITECTS AND ENGINEERS SPECIFICATIONS

Vertically retractable motorised 21,5" Full HD professional monitor. It shall include a lifting and retracting mechanism to allow the lifting and storage of 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 anodised aluminium and the screen shall be protected with anti-reflective 2 side coating black edged 3 mm glass. The monitor shall make the up/down and tilt movements with only one engine. The monitor shall have a brightness of the monitor shall have a brightness of 350 cd/m2, a contrast ratio of 1000:1 and a backlight lifespan of 30,000 hours. The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer.

The monitor shall provide an addressable RS-422 and an easy to read Interactive Setup Display (ISD) to access the safe- ty parameters, the setup of the speeds and the control of the brightness, contract and backlight. The monitor shall be able to run an autoadjustment program to reset the factory setups. The monitor shall provide a USB port for firmware upgrades. The monitor 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.
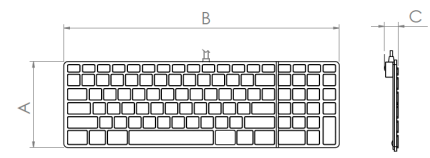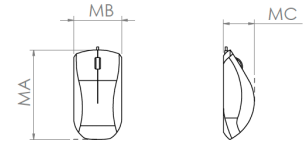
DX2KM 22 Maximum Keyboard/Mouse dimensions

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 22"	From 120 [4,72] to 135 [5,31]	From 270 [10,63] to 430 [16,93]	From 10 [0,39] to 25 [0,98]

Mouse dimension.			
Model	"MA" Dimension	"MB" Dimension	"MC" Dimension
DX2KM FHD 22"	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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