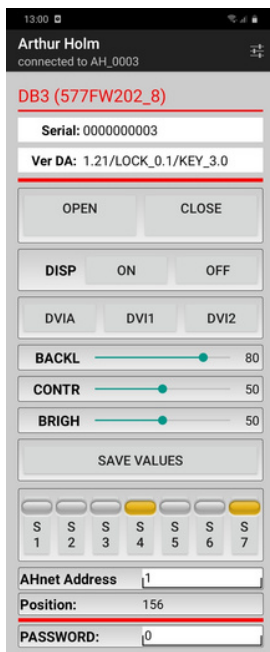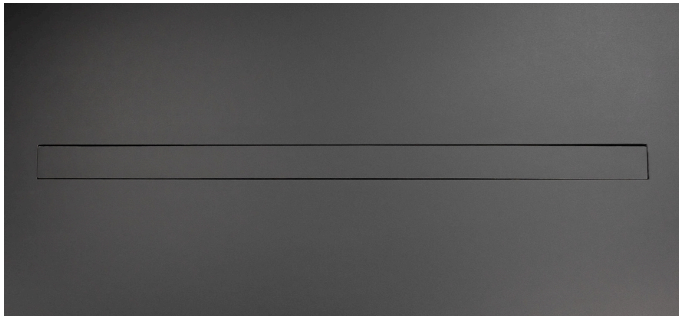# DB3Talk

HDCP compliant aluminum retractable motorized monitor
with an independent lift for gooseneck microphone

Highlights

- Vertical motorized monitor with an independent microphone lift
- Adjustable monitor angle from 90º to 20º
- Stepless memorizable monitor angle
- Automated hatch in black finishing or for table surface matching (veneer)
- Milled black anodized aluminum housing
- Dual side anti-reflective 2 mm black-edged glass
- Interactive Setup Display (ISD)
- HDCP compliant
- Energy saving design, low consumption video controller
- RS-422/RS-485 Full Duplex I/O
- Wireless connectivity for setup and control
- Auto Mechanical Movement Calibration (AH-AMMC)

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General

Professional motorized monitors with a minimal impact on the table's design when retracted and an astonishing impact on the table when ejected with an adjustable monitor's position from 90° to 20°, including an independent lift system for 3 pin XLR gooseneck microphones beside the monitor within the same mechanical housing.

The design of the automated hatch allows it to be matched to the table surface by adding the same material as the tabletop on top of it (optional), providing a streamlined finish to the furniture. The automated hatch has a black anodized aluminum finish.

The user can adjust the screen position for comfort and visibility, with full view of the other participants around the table. The screen inclines smoothly towards the user, who can adjust the monitor's position by simply touching a capacitive button located on the glass of the screen, stop the movement and lock the position at the desired angle. A memory function will allow to store and recall the desired position.

The screen housing is made of black anodized aluminum and is protected with an anti-reflective 2 side coating 2 mm black edged glass. DB3 are available from 17.3'' to 21.5'' with 2 HDCP compliant DVI or HDMI inputs and equipped with an Interactive Setup Display (ISD) allowing the control, setup and diagnose of the monitors. The microphone lift shall have 3 operation buttons; open/close, mute/unmute the microphone and GPO button. And both the monitor and the microphone's lift shall operate with only one external power supply.

Options and accessories

- 2/HDMI inputs
- Projected capacitive multi-touch screen
- DynamicLoop
- DynamicShare
- Integrated USB camera
- Retractable USBC cable
- Automated hatch ready for veneering with capacitive sensor
- ERT-30 / ERT-60

Warranty

- 2 years general warranty

Certifications

- CE
- IECEE
- CB

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Technical Specifications

Display

Size	FULL HD 21.5" TFT Active Matrix, widescreen format. LED backlight
Resolution	1920 (h) x 1080 (v)
Brightness	350cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	85º/ 85º (u/d) 85º/ 85º (l/r)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 12 ms, Tf 10ms
Temperature	Operating 0º ~ +40ºC Storage -20º ~ +60ºC

Materials

Monitor housing	Solid mechanized aluminum housing with black anodized finish. Front black serigraphed glass

Connectivity

Input signal	DVI-I (1 input) HDCP compliant DVI-D (1 input) HDCP compliant
RJ 45 CAT6 (with loop)	Addressable RS-422/RS485 Full Duplex monitor control by AHnet protocol
GPI (subD9)	Up/Down control (opto isolated)
USB	For service (firmware upgrades)

Control

DynamicTalk Control
GPI contact closer
RS-422/RS-485 Full Duplex (RJ45 CAT6)
Microphone control button on glass
Customized function buttons on glass

Movement's control

User interface on monitor	(Up/down) Capacitive touch sensor
Remote	RS-422/RS-485 Full Duplex (RJ45 CAT6)
AHlink	

Electrical

External power supply	100-240Vac, 47/63Hz, 12Vdc
Power consumption	70W

Accessories

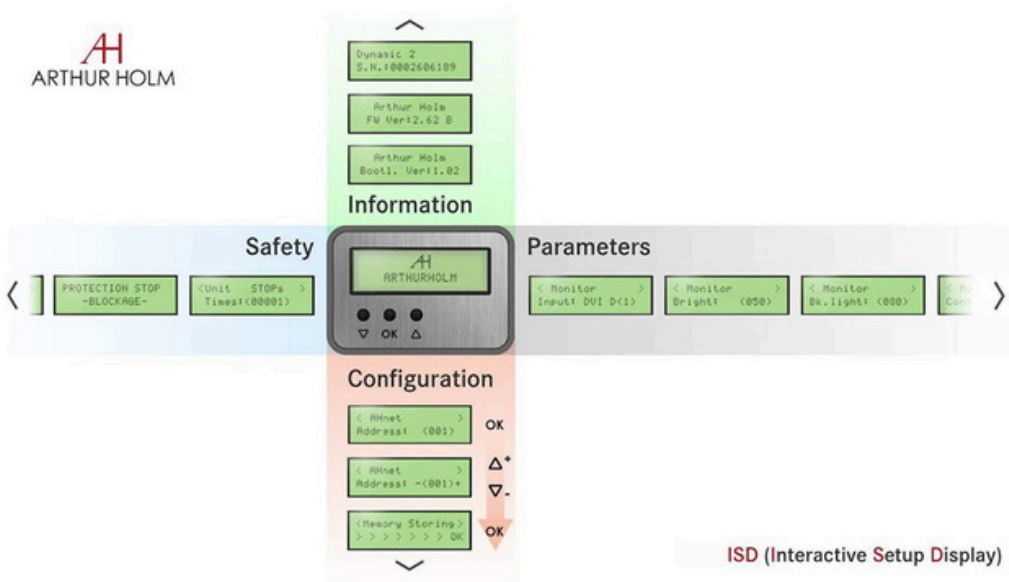|	
ERT-30 / ERT-60	Ethernet interface unit

Mechanical Dimensions

Screen	518 x 343 x 40mm [20.39" x 13.50" x 1.57"]
Top frame	624 x 47mm [24.57" x 1.85"]
Housing below the table	602 x 601 x 145.50mm [23.70" x 23.66" x 5.73"]
Weight	20.5kg / 45.19lb

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Connectivity panel
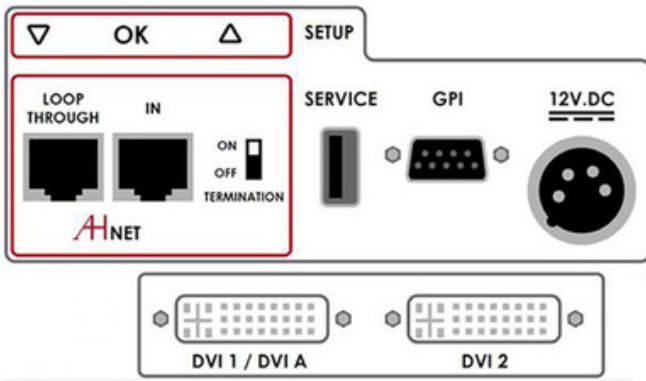
Interactive Setup Display (ISD)

ISD (Interactive Setup Display)

Motorized retractable USBC cable and camera are optional.

Consultants, architects and engineers specifications

Vertically motorized 21.5" Full HD professional monitor with an inclination from 90 to 20 degrees on the table surface including a universal microphone lift system.

The monitor housing shall be made of milled anodized aluminum with a maximum thickness of 20mm and the screen shall be protected with an anti-reflecting 2 side coating 2mm glass.

The automated hatch shall slide down inside the mechanism and shall close the table cut off flush on the table.

A capacitive button shall be placed on the automated hatch to activate the monitor's movement. The movements of the monitor shall be controlled by 2 buttons located on the monitor's front glass; the user shall memorize the monitor's position, by pressing both movement control buttons simultaneously. Optionally, an Input Source Selection shall be located on the monitor's front glass to switch between the different signal inputs.

The monitor shall have a brightness of 350 cd/m2, a contrast ratio of 1000:1 and a backlight lifespan of 50,000 hours.

The system shall include an independent lift system for 3 pin XLR gooseneck microphones beside the monitor within the same mechanical housing. Both the monitor and the microphone's lift shall operate with only one external power supply. The microphone lift shall have 3 operation buttons; open/close, mute/unmute the microphone and GPO button.

The lift system shall include an automated turning system of the microphone and a plastic rounded ring to centre the microphone during its rise and retract movement from a position hidden to a top position projected through the guide, preventing the microphone from scratching the monitor housing and surrounding parts, damaging or blocking when retracting.

The system shall be equipped with RS-422 / RS-485 Full Duplex, RJ-45 and AHnet open protocol allowing individual remote control, setup and diagnostic of up to 30 units per line. GPI (contact close to control movements), GPO (contact close to detect button activation) and a USB for firmware updates. The unit shall provide a safety system that detects obstructions and causes the unit to stop with an audio indication. The unit shall provide and auto-calibration mode to reset mechanical speeds and safety adjustments. The system shall provide an automatic RS-422 / RS-485 Full Duplex addressing system when used in combination with ERT-30 and ERT-60. The unit shall be compatible with a wireless app that al lows the exact adjustment of the microphone length, facilitates the unit's serial number, allows the activation and de-activation of the RS-422 / RS-485 Full Duplex termination and allows to change the working mode from PA to Conference.

The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP manufacturer. The monitor shall be compatible with the AHlink wireless Android and iOs App for the setup, diagnosis and control.

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General dimensions

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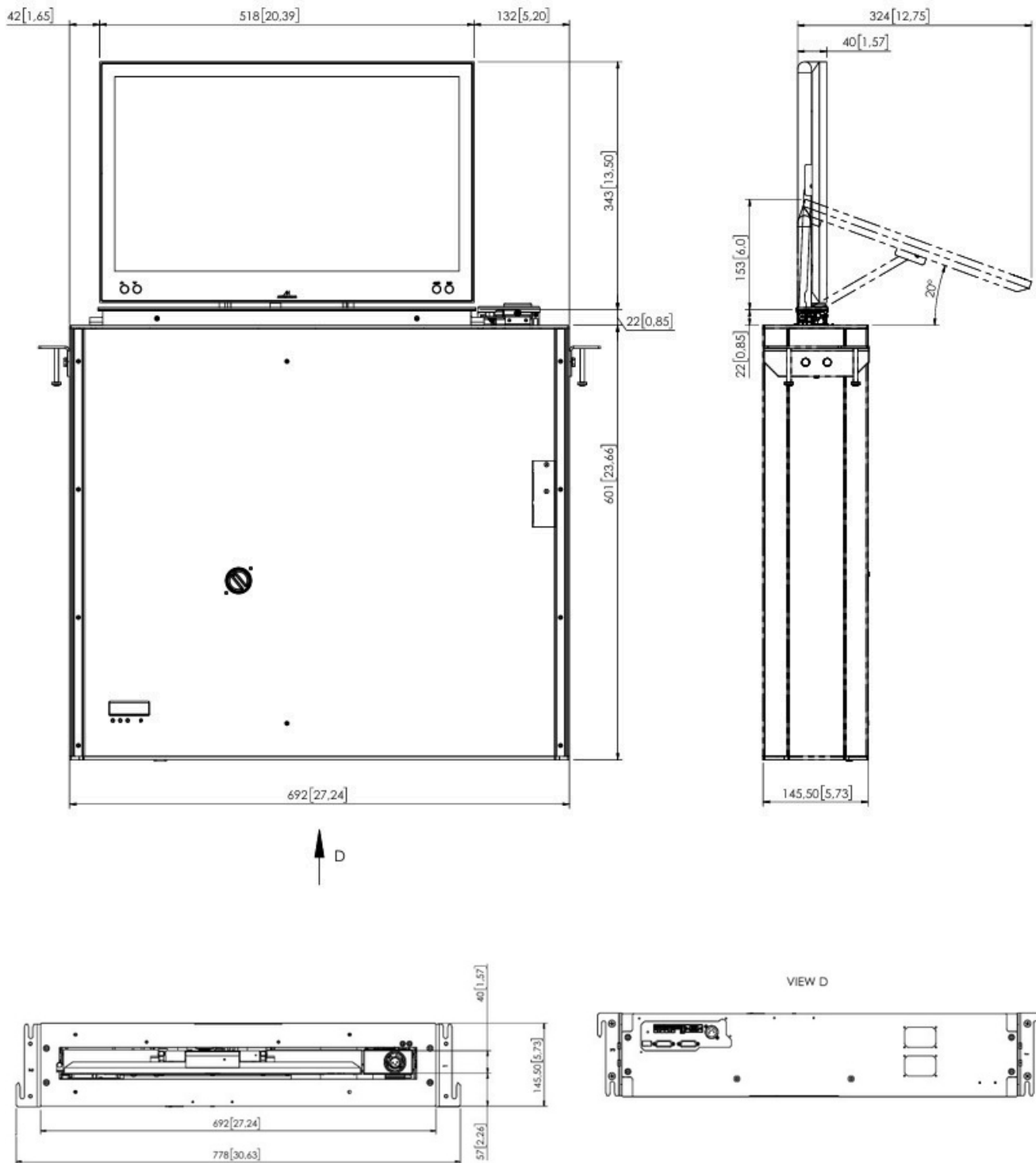
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