

# COTAÇÃO: SELEÇÃO PÚBLICA Nº 102/2024

Razão Social/CNPJ: CONTRAPONTO CASES CNPJ 52.968.782/0001-50 Endereço: COND RESIDENCIAL MONACO DF 140 KM 01 QUADRA 01 LOTE 05 CEP 71680601 Telefone: 55 61 984868994 E-mail:contrapontohardcase@gmail.com

#### À

Fundação de Empreendimentos Científicos e Tecnológicos – FINATEC Declaramos que foram examinadas minuciosamente as especificações e condições do Edital e de seus anexos, em especial seu Anexo I - Termo de Referência – destinado à contratação de empresa especializada em aquisição de equipamentos multimídia e audiovisuais.

Propomos, sob nossa integral responsabilidade, o fornecimento dos itens descritos no Termo de Referência – Anexo I desta Seleção Pública, pelos valores, descritos na planilha detalhada abaixo:



02) CASE TERMOPLÁSTICO	PARA 06 CÂMERAS	
Case termoplástico grande cor sintética de alta densidade cor seguintes equipamentos: 06 câmeras Bla lentes 18/35 Canon, 01 Crane, compa cabos e lentes. Garantia contra defeitos de fal	n molde em espuma tada a laser para os ackmagic 6k G2, 04 artimento para bricação - 12 meses.	
Valor UND: R\$ 3.750,00	QUANTIDADE: 01	VALOR TOTAL: R\$ 3.750,00





## 03) CASE TERMOPLÁSTICO PARA 02 CÂMERAS

Case termoplástico grande com molde em espuma sintética de alta densidade cortada a laser para os equipamentos: 02 câmeras Blackmagic 6k G2, 02 lentes

24/70 Canon, 02 lentes 70/200 Canon, 02 lentes 16/35

canon, 02 lentes 8/15 canon, compartimento para cabos e lentes.



	PLANILHA DE CUSTOS			
	PRODUTO	QUANT	VALOR	TOTAL
01	CASE WORKSTATION	1	R\$4.950,00	R\$4.950,00
02	CASE TERMOPLÁSTICO PARA 06 CÂMERAS	1	R\$3.750,00	R\$3.750,00
03	CASE TERMOPLÁSTICO PARA 02 CÂMERAS	1	R\$3.450,00	R\$3.450,00
			TOTAL :	R\$12.150,00
			TOTAL GERAL	R\$12.150.00

### DADOS BANCÁRIOS

CONTRAPONTO CASES PJ BANCO INTER - 077 ALEX ALVES AMORIM CASES CNPJ: 52.968.782/0001-50 Agência: 0001 Conta: 33860877-0

Declaramos que nos preços ofertados estão incluídas todas as despesas, tributos e demais encargos de qualquer natureza, incidentes sobre o fornecimento dos equipamentos, nada mais podendo ser cobrado da FINATEC. Declaramos total concordância com os termos e condições desta Sessão Pública.

Brasília 27 de Setembro de 2024

Responsável técnico: Alex Amorim CO Contraponto Cases



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ALEX ALVES AMORIM Data: 27/09/2024 14:18:22-0300 Verifique em https://validar.iti.gov.br



TELA INTERATIVA MC410-B DAHUA 75" 4K HD/ TOUCH/ SMP/ WI-FI/ ÁUDIO C/MIC						
CÓD NETSUITE	MR10991					
PART NUMBER SISTEMA INTEGRADO	DHI-LCH75-MC410-B					
SISTEMA OPERACIONAL	Android 9.0					
CPU	Quad-core A55					
FREQUENCIA CPU GPU	1.9 GHz Mali-G31 MP2					
MEMÓRIA RAM	4 GB					
ARMAZENAMENTO ROM	32 GB					
FUNÇÕES	Windows 7/8/10: Android					
WIFI	Dual-band 2.4 Ghz/5 Ghz					
HOTSPOT	Suporta ativação de hotspot e WiFi ao mesmo tempo.					
DIMENSÕES PAINEL	75" POLEGADAS					
	LED					
PROPORÇÃO DE TELA	16:09					
BRILHO RESOLUÇÃO	350 cd/m* 3840 (H) × 2160 (V) UI: 1920 (H) × 1080 (V					
ÂNGULO DE VISÃO	H: 178°; V: 178°					
VIDA ÚTIL	50.000 Horas					
COR DE TELA	1.07 B/10 bit (8 bit + FRC) 8 ms (typ.)					
TAXA DE ATUALIZAÇÃO	60 Hz					
CONTRASTE ESTÁTICO	VA: 4000 (typ.); IPS: 1200 (typ.					
	5 MD					
CONTROLE AUTOMÁTICO	Balanço de branco automático					
DISTORÇÃO	≤ 5%					
RESOLUÇÃO MÁXIMA	OPS: 2560 × 1440@30fps					
SENSOR DE LUZ	1					
BOTÃO FRONTAL	1 × BOTÃO LIGA/DESLIGA					
PORTAS FRONTAIS	1 × USB 3.0					
PORTAS TRASEIRAS	2 × USB 3.0 (Rear-facing); 1 × Micro USB					
RS-232	1 × RS-232					
ENTRADA DE VÍDEO	1 × HDMI IN					
IrDA	1 * 3.5 mm					
MICROFONES	2					
TELA SENSÍVEL AO TOQUE	In					
TECHOLOGIA TOUCH	<pre>IR &lt;10 ms</pre>					
PONTOS DE TOQUE	20					
TOQUE VALIDO	2 mm					
MODE DE ESCRITA MODE DE COMUNICAÇÃO	USB					
ANTI REFLEXO	VIDRO TEMPERADO ANTI OFUSCAMENTO					
DUREZA SUPERFICIAL	8H 32767 x 32767					
RECONHECIMENTO AO TOQUE	2 USUÁRIOS					
ALTO-FALANTE						
POTENCIA	2 × 15 W 2 alto-falantes embutidos					
MICROFONES						
CAPTAÇÃO	6m-8m					
AGC	2 microfones omnidirecional embutidos Sim					
CANCELAMENTO DE ECO	Sim					
FILTRO DE RUÍDO	Sim					
	100-240 VAC 50 Hz/60 Hz					
TEMPERATURA OPERACIONAL	0 °C to +40 °C (32 °F to +104 °F)					
TEMPERATURA DE ARMAZENAMENTO	-10 °C to +50 °C (-14 °F to +122 °F)					
UMIDADE OPERACIONAL	10%-90% (RH) 10%-90% (RH)					
CONSUMO DE ENERGIA	75-inch: 110 W (typ.); 300 W (max.)					
DIMENSÕES DO PRODUTO	75-inch: 1,707.2 mm × 87.1 mm × 1,050.1 mm (67.21" × 3.43" × 41.34")					
DIMENSOES DA EMBALAGEM PESO LÍOUIDO	75-inch: 1810 mm × 235 mm × 1157 mm (71.26" × 9.25" × 45.55") 75-inch: 54 kg (119.10 lb)					
PESO BRUTO	75-inch version: 65 kg (143.30 lb)					
DISTANCIA DOS FUROS	75-inch version: 400 mm × 600 mm (15.75" × 23.62")					
	Montagem em parede ou em suporte móvel					
ITENS DA EMBALAGEM	Tela interativa inteligente, cabo de alimentação, caneta Stylus, guia de início					
	rapido, suporte de montagem na parede e pacote de acessonos.					
GARANTIA	3 ANOS					



### ULTRON COMERCIO E SERVICO DE TECNOLOGIA LTDA CNPJ 42.669.518/0001-62

#### PROPOSTA

SELEÇÃO PÚBLICA № 102/2024

Fundação de Empreendimentos Científicos e Tecnológicos - FINATEC

Declaramos que foram examinadas minuciosamente as especificações e condições do Edital e de seus anexos, em especial seu Anexo I - Termo de Referência – destinado à contratação de empresa especializada em aquisição de equipamentos multimídia e audiovisuais.

Propomos, sob nossa integral responsabilidade, o fornecimento dos itens descritos no Termo de Referência – Anexo I desta Seleção Pública, pelos valores, descritos na planilha detalhada abaixo:

ITEM	DESCRIÇÃO DETALHADA	FORNEC	MARCA/MODELO	QUA NT	VAL UNIT	VAL TOTAL
2		Un	DHI-I CH75-MC410-	1	R\$ 9 260 00	R\$ 9 260 00
2	PART NUMBER DHILLCH75-MC/10-B	011	B	1	110 5.200,00	10 5.200,00
	SISTEMA OPERACIONAL Android 9 0					
	CPU Quad-core A55					
	FREQUENCIA CPU 1.9 GHz					
	GPU Mali-G31 MP2					
	MEMÓRIA RAM 4 GB					
	ARMAZENAMENTO ROM 32 GB					
	S.O. APLICÁVEIS Windows 7/8/10: Android					
	WIFI Dual-band 2.4 Ghz/5 Ghz					
	HOTSPOT Suporta ativação de hotspot e WiFi ao mesmo					
	tempo.					
	DIMENSÕES PAINEL 75" POLEGADAS					
	ILUMINAÇÃO LED					
	PROPORÇÃO DE TELA 16:09					
	BRILHO 350 cd/m <sup>2</sup>					
	RESOLUÇÃO 3840 (H) × 2160 (V) UI: 1920 (H) × 1080 (V					
	ÂNGULO DE VISÃO H: 178°; V: 178°					
	VIDA ÚTIL 50.000 Horas					
	COR DE TELA 1.07 B/10 bit (8 bit + FRC)					
	TEMPO DE RESPOSTA 8 ms (typ.)					
	TAXA DE ATUALIZAÇÃO 60 Hz					
	CONTRASTE ESTÁTICO VA: 4000 (typ.); IPS: 1200 (typ.					
	CAMERA					
	PIXELS 5 MP					
	CONTROLE AUTOMÁTICO Balanço de branco automático					
	DISTORÇAO ≤ 5%					
	RESOLUÇAO MAXIMA OPS: 2560 × 1440@30fps					
	SENSOR DE LUZ 1					
	BOTAG FRONTAL 1 × BOTAG LIGA/DESLIGA					
	PORTA DE DEDE 1 :: DI 45					
	PORIA DE REDE I × KJ-45 DODTAG TRAGEIRAG 2 :: LIGR 2 O (Recer fectine): 1 :: Micro LIGR					
	PORTAS TRASETRAS 2 × USB 3.0 (Rear-facing); 1 × Milcro USB					
	K3-232 I × K3-232 ENTRADA DE VÍDEO 1 × HDMLIN					
	ENTRADA DE VIDEO I × HDIVILIN SAÍDA DE ÁLIDIO 1 × 2.5 mm					
	TEMPO DE RESPOSTA < 10 ms					
	PONTOS DE TOOUE 20					
	TOOUE VÁLIDO 2 mm					
	MODE DE ESCRITA DEDO + CANETA					
	MODE DE COMUNICAÇÃO USB					
	ANTI REFLEXO VIDRO TEMPERADO ANTI OFUSCAMENTO					
	DUREZA SUPERFICIAL 8H					
	RESOLUÇÃO DE TOQUE 32767 × 32767					
	RECONHECIMENTO AO TOQUE 2 USUÁRIOS					
	POTÊNCIA 2 × 15 W					
	ALTO-FALANTES 2 alto-falantes embutidos					
	CAPTAÇÃO 6m-8m					
	MICROFONES 2 microfones omnidirecional embutidos					
	AGC Sim					
	CANCELAMENTO DE ECO Sim					
	FILTRO DE RUÍDO Sim					

À

	FONTE DE ALIMENTAÇÃO 100–240 VAC, 50 Hz/60 Hz TEMPERATURA OPERACIONAL 0 °C to +40 °C (32 °F to +104 °F) TEMPERATURA DE ARMAZENAMENTO –10 °C to +50 °C (–14 °F to +122 °F) UMIDADE OPERACIONAL 10%–90% (RH) UMIDADE DE ARMAZENAMENTO 10%–90% (RH) CONSUMO DE ENERGIA 75-inch: 110 W (typ.); 300 W (max.) DIMENSÕES DO PRODUTO 75-inch: 1,707.2 mm × 87.1 mm × 1,050.1 mm (67.21" × 3.43" × 41.34") DIMENSÕES DA EMBALAGEM 75-inch: 1810 mm × 235 mm × 1157 mm (71.26" × 9.25" × 45.55") PESO LÍQUIDO 75-inch: 54 kg (119.10 lb) DISTANCIA DOS FUROS 75-inch version: 400 mm × 600 mm (15.75" × 23.62") INSTALAÇÃO Montagem em parede ou em suporte móvel ITENS DA EMBALAGEM Tela interativa inteligente, cabo de alimentação, caneta Stylus, guia de início rápido, suporte de montagem na parede e pacote de					
	acessórios. GARANTIA 3 ANOS					
4	Smart TV Philips 55" DLED 4K UHD 55PUG7408, Google TV, Wi-Fi Integrado, Bluetooth, Bivolt Especificações Técnicas Cor Preto Acessórios Inclusos Controle Remoto Sim Pilhas 2 AAA Aplicativos Amazon Prime Sim Áudio Dolby Atmos Sim Dolby Vision Sim Potência de Áudio 20 W Conectividade Wi-Fi Dualband Bluetooth Sim USB 2 x 2.0 HDMI 3 x 2.3 Versão Bluetooth 5.0 Entrada RF 1 Porta LAN 1 Especificações Técnicas Design Bordas Ultrafinas Dimensões do Produto 1226,8 x 782,8 x 257,58 MM Dimensões do Produto 1226,8 x 720,31 x 87,5 MM Garantia do Fabricante 1 Ano Peso do produto 10,48 KG Peso do produto 10,78 KG Processador Quad Core Furação VESA 200 x 100 Velocidade da Imagem 60 HZ Memória Flash 16 Recursos Espelhamento de Tela Via Google Home App Smart Sim Comando de Voz Sim YouTube Sim	Un	55PUG7408	1	R\$ 2.405,00	R\$ 2.405,00

	Google Play Store Sim Netflix Sim Desligamento Automático Sim Disney+ Sim Tela Polegadas 55 POL Resolução Ultra HD 4K Tipo de Tela DLED HDR 10+ HLG Sim Informações Técnicas Procedência 4-Nacional, produzido com PPB GTIN 7898620271800 NCM 85287200 EAN EAN13 Itens Inclusos Cabo de Força 1 TV 1 Suporte de Mesa Alimentação Voltagem Bivolt Consumo 11,14 kWh/mês Consumo Standby < 0,5 W Classificação Energética A Sistema Operacional Sistema Operacional Google TV					
5	Suporte Tw-85 Tv Móvel Chão 55 Até 85 North Bayou Motorizado Características destacadas: Diseñado para televisores de pantalla plana de 55"-85" Capacidad de peso: 150libras(68.2kg) Complimiento de VESA: 200*200mm, 300*300mm, 400*200mm 400*300mm, 400*400mm, 600*400mm Ajuste de altura del televisor: De 1160mm a 1650mm. Controle Remoto Material Aluminum	Un	North Bayou	2	R\$ 1.725,00	R\$ 3.450,00
6	Suporte Pedestal Para Tv 32 A 75 Com Rodas Ava1600-60-1p	Un	Ava1600-60-1p Nb	1	R\$ 930,00	R\$ 930,00
	Nb CAPACIDADE DE CARGA :: Carga máxima do suporte para TV: Até 45 kg; :: Carga máxima sobre a bandeja superior: Até 5 kg; :: Carga máxima sobre a bandeja inferior: Até 5 kg. ALTURA (Medida do chão ao centro da base de monitor) :: Altura Mínima: 1100 mm;					

	:: Altura Máxima: 1500 mm; * Intervalos de regulagem de altura a cada 50 mm					
	EXTRAS					
	Os rodízios possuem trava para que o pedestal seja freado,					
	evitando assim movimentações indesejadas.					
	ΑΤΕΝΟÃΟ					
	*** Verifique o nadrão de furação VESA de sua TV antes de					
	comprar o suporte.					
	DADOS TÉCNICOS					
	:: Material: Aço Carbono;					
	:: Acabamento: Tratamento Anti-Corrosão e pintura Epóxi					
	Eletrostatica;					
	" Medidas da Bandeia Superior: 255x155mm (LxP)					
	:: Medidas da Bandeja Inferior: 500x290mm (LxP)					
	11					
	4 9					
9	Nest Audio Smart Speaker Com Google Assistente - Branco	Un	Nest Audio	1	R\$ 840,00	R\$ 840,00
5	Características:					
	- Marca: Google					
	- Modelo: Nest Audio					
	<b>F</b>					
	Especificações:					
	- Wi-Fi- Bluetooth 5.0					
	Alto-falante					
	- Woofer de 3"					
	- Tweeter de 0,8" Microfone					
	- 3 microiones de campo distante Sistema					
	- O uso de Wi-Fi exige um ponto de acesso (roteador)					
	802.11b/g/n/ac					
	- É preciso usar o app Google Home em um dispositivo móvel					
	compatível Recursos					
	- Tecnologia Voice Match					
	- Chromecast Built in Idioma					
	- roitugues					
	Aplicativos					
	- Google Home					
	- YouTube					
	- Spotify					
	- Play Store					
	Compatibilidade					
	- Android 6.0 ou mais recente					
	- iOS 12.0 ou mais recente					
	Processador					
	- Quad Core A53 1.8 GHZ Alimentação					
	- Cabo de energia					
	Voltagem					
	Discalt	1				
	- Bivoit					



Declaramos que nos preços ofertados estão incluídas todas as despesas, tributos e demais encargos de qualquer natureza, incidentes sobre o fornecimento dos equipamentos, nada mais podendo ser cobrado da FINATEC.

Declaramos total concordância com os termos e condições desta Sessão Pública.

Garantia: 12 (doze) meses Validade da proposta: 60 dias Prazo de Entrega: 30 dias dias Endereço de entrega: Campus Darcy Ribeiro, Av. L3 Norte, Asa Norte, CEP.: 70910-900, edifício FINATEC.

DADOS DA EMPRESA CNPJ: 42.669.518/0001-62

Telefone: (61) 99335-9798 (Antonio - Administrativo/Financeiro) (61) 99915-2812 (Eduardo - Licitações / Compras) Email: contato@emzonline.com.br

Banco: 748 (Banco Sicredi) Agência: 3953 Conta: 11779-6 Pix: 42.669.518/0001-62



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Brasília-DF, 01 de Outubro de 2024

Representante legal EDUARDO ROCHA DA SILVA RG: 2556608 SSP-DF



# **Smart Interactive Whiteboard**

# **User's Manual**



ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD. V1.1.4



# Foreword

## General

This manual introduces the functions and operations of the smart interactive whiteboard (hereinafter referred to as "the whiteboard"). Read carefully before using the whiteboard, and keep the manual safe for future reference.

## Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
Anger Danger	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
© <u>∽∿</u> TIPS	Provides methods to help you solve a problem or save time.
	Provides additional information as a supplement to the text.

## **Revision History**

Version	Revision Content	Release Time
V1.1.4	Updated the packing list.	October 2023
V1.1.3	Updated dimensions and ports.	February 2023
V1.1.2	Updated appearance and dimensions.	September 2022
V1.1.1	Updated packing list.	July 2022
V1.1.0	Added 55-inch series.	May 2022
V1.0.0	First release.	March 2022

## **Privacy Protection Notice**

As the device user or data controller, you might collect the personal data of others such as their face, fingerprints, and license plate number. You need to be in compliance with your local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures which include but are not limited: Providing clear and visible identification to inform people of the existence of the surveillance area and provide required contact information.



## About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user's manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.



# **Important Safeguards and Warnings**

This section introduces content covering the proper handling of the whiteboard, hazard prevention, and prevention of property damage. Read carefully before using the whiteboard, and comply with the guidelines when using it.

### Storage Requirements



- Stably put the whiteboard onto a support platform that is strong enough to prevent the whiteboard from falling.
- Do not place the whiteboard in a place exposed to sunlight or near heat sources.
- Store the whiteboard under allowed humidity (10%–90% (RH)) and temperature (–20 °C to +60 °C, or –4 °F to +140 °F) conditions.

### Installation Requirements



- Do not install the whiteboard in a place exposed to sunlight or near heat sources.
- Keep the whiteboard away from dampness, dust, and soot.
- Install the whiteboard on a stable surface to prevent it from falling.
- Install the whiteboard in a well-ventilated place, and do not block its ventilation.
- The power supply must conform to the requirements of ES1 in IEC 62368-1 standard and be no higher than PS2. Please note that the power supply requirements are subject to the device label.
- The whiteboard is a class I electrical appliance. Make sure that the power supply of the whiteboard is connected to a power socket with protective earthing.
- The appliance coupler is a disconnection device. Keep it at a convenient angle when using it.

#### **Operation Requirements**

### 

- High voltage inside the whiteboard. Do not disassemble the whiteboard without a qualified professional present to avoid the risk of being exposed to danger.
- Improper use of the battery might result in a fire or explosion.
- Replace unwanted batteries with new batteries of the same type and model.
- Use the standard power adapter. We will assume no responsibility for any problems caused by the use of a nonstandard power adapter.
- Use the power cords that are recommended for the region and conform to the rated power specifications.
- Make sure all cables are connected correctly before plugging the whiteboard into the power. Do not overload the power socket or pull the power code. Otherwise, it might cause fire or electric shock.





- Do not drop or splash liquid onto the whiteboard, and make sure that there is no object filled with liquid on the whiteboard to prevent liquid from flowing into it.
- Operate the whiteboard within the rated range of power input and output.
- Do not disassemble the whiteboard without professional instruction.
- Use the whiteboard under allowed humidity (10%–90% (RH)) and temperature (0 °C to 40 °C, or 32 °F to 104 °F) conditions.
- The whiteboard is a class I electrical appliance. Make sure that the power supply of the whiteboard is connected to a power socket with protective earthing.
- The appliance coupler is a disconnection device. Keep it at a convenient angle when using it.

### **Maintenance Requirements**



- Power off the whiteboard before maintenance. Do not use the liquid cleaner or spray cleaner when cleaning the whiteboard.
- Use the clean and soft cloth or use the special lens wiping cloth when cleaning the surface of display screen. Do not use the wet cloth to clean the display screen. Otherwise, it may do harm to the screen.



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# **1 Overview**

## **1.1 Introduction**

The smart interactive whiteboard is an integrated multimedia device, which integrates large HD screen, computer, electronic whiteboard, audio amplifier, application, and central control system.

The whiteboard supports the following functions and features:

- 4K HD LCD display.
- Switch between Android and Windows systems (for Windows, you need to install a computer module).
- One-tap projection of devices such as mobile phones and tablets.
- Electronic whiteboard.
- Various software such as Microsoft Office and audio and video players.

## 1.2 Packing List

Check whether there is any obvious damage on the packing box. Unpack the box and check whether the components are complete according to the packing list.

Table	1-1	Packing	list

Name	Quantity	Name	Quantity
Smart interactive whiteboard	1	Power cord	1
Stylus pen	2	Quick start guide	1
Wall mount bracket (installed on whiteboard already)	1	Accessory package	2
Remote control	1	Legal and Regulatory Information	1

 $\square$ 

The accessory packages contain expansion bolt  $\times$  8, plastic pad  $\times$  6, self-tapping screw  $\times$  8, and gasket  $\times$  12.



# **1.3 Structure**

# 1.3.1 Appearance







Figure 1-2 Appearance (65/75/86-inch series with Camera)



No.	Description
1	LCD.
2	Power input port. Inputs 100–240 VAC power.
	After connecting to power supply, press the rocker switch to turn on the whiteboard.
3	USB 3.0 port.
4	Magnetic stylus pen attach area.
5	Speaker. Plays multimedia sound.
6	Indicator light. The light is red when the whiteboard is on standby and blue when the whiteboard is in normal use.
7	Light sensor. The device recognizes the ambient brightness through the light sensor and automatically adjusts the backlight brightness according to the ambient brightness.
8	IR sensor. Receives signals from the remote control.
9	RS-232 port. Transmits data between devices. You can connect to central control devices with RS-232 port.
10	LINE OUT. An audio output port that connects to the earphone or speaker.
11	<ul> <li>Power button.</li> <li>Press the button to turn on or turn off the screen.</li> <li>Press and hold the button for 5 seconds to turn on or turn off the whiteboard</li> </ul>
	<ul> <li>When the touch lock is enabled, press the power button 3 times to unlock the touch lock.</li> </ul>
12	Side panel ports. For details, see "1.3.3 Ports".
13	Microphones. Pick up live audio.
14	Built-in HD camera.



# 1.3.2 Dimensions

## 1.3.2.1 Dimensions (55-inch)



Figure 1-4 Dimensions (with camera: mm [inch])



## 1.3.2.2 Dimensions (65-inch)



Figure 1-5 Dimensions (with camera: mm [inch])







VESA pattern: 500 mm × 400 mm (19.69" × 15.75").



## 1.3.2.3 Dimensions (75-inch)



Figure 1-7 Dimensions (with camera: mm [inch])







VESA pattern: 600 mm  $\times$  400 mm (23.62"  $\times$  15.75").



## 1.3.2.4 Dimensions (86-inch)



Figure 1-9 Dimensions (with camera: mm [inch])







# 1.3.3 Ports







### Figure 1-12 Ports (65/75/86-inch series)



#### Table 1-3 Port description

No.	Name	Description
1	Micro USB	Used for debugging Android system.
2	HDMI IN	HD audio and video signal input port. Connects to the computer, set- top box, and other video devices with HDMI output ports.
3	USB 3.0	Connects to USB devices such as mobile hard disk, USB flash drive, USB keyboard, and USB mouse. They are accessible both from the built-in Android system and the optional OPS computer module.
4	ТОՍСН	Transmits touch signals. After you connect your computer with the blackboard through HDMI port, connect the TOUCH port to the USB port of the computer and then you can control the computer through touch operations on the whiteboard.
5	RJ-45 port	1000 Mbps network port. Connects to network cable to access network.
6	RS-232 port	Transmits data between devices. You can connect to central control devices with RS-232 port.



# 2 Initial Settings

## 2.1 Turning on the Whiteboard

## Prerequisites

- Before starting the whiteboard, check whether the input voltage is correct against the power supply requirements.
- To ensure the stable work of the whiteboard and the external devices connected to the whiteboard and to prolong the service life, we recommend you refer to the national related standard to use the power source that provides stable voltage with less interference from ripples.

### Procedure

- <u>Step 1</u> Connect the power cord.
- <u>Step 2</u> Press the "I" end of the rocker switch next to the power cord.
- <u>Step 3</u> Press the power button on the right panel to turn on the screen.

After startup, the system displays the home screen by default.

Figure 2-1 Home screen



#### Table 2-1 Home screen description

No.	Description
1	Displays date, time and the day of the week.
2	Compass. Tap the icon to quickly use functions as electronic whiteboard, annotation, and file management. See "3.1.2 Bringing up the Compass Menu" for details.



No.	Description
3	Device status bar. Displays different status information. Tap each icon to view details.
4	Tap to bring up the navigation bar. For details, see "3.1.1 Bringing up the Navigation Bar" for details.
5	Input source. Supports HDMI and Windows.
6	Function area. Tap a function icon to go to the corresponding operation screen.
	For a third-party app, you can tap and hold the corresponding icon to uninstall the app. The apps that come with the system cannot be uninstalled in such way.

# 2.2 Turning off Screen

When the screen is on, press the power button once to turn off the screen.

To wake up the whiteboard, you can:

- Press the power button again.
- Touch the screen.

#### $\square$

In the Windows system, if you have set a screen lock password, you need to enter the right password to wake up the whiteboard.



# **3 Basic Operations**

The whiteboard can act as a computer or electronic whiteboard. This chapter introduces the basic operations of those functions. We recommend using the stylus pen to interact with the screen. For details on touch control, see "Appendix 1 Touch Operation".

# 3.1 Quick Operations

You can use the navigation bar or compass to quickly use basic functions.

# 3.1.1 Bringing up the Navigation Bar

Tap on the left and right sides of the home screen to bring up the navigation bar.



Figure 3-1 Navigation bar

Table 3-1 Description of navigation bar

lcon	Description
:::	Display or hide the navigation bar.
<del>ل</del>	Go back to the previous screen.
۵	Go back to the home screen.
	Tap the icon to display common tools such as annotation, screen sharing, and camera. For details, see "3.1.3 Common Tools".
0	Displays the apps that are running in the background. You can close the background apps one by one or in batches.

# 3.1.2 Bringing up the Compass Menu

Tap on the home screen to bring up the compass menu. For details, see "3.5.2 Configuring General Settings".



## Figure 3-2 Compass



Table 3-2 Description of compass

lcon	Description
â	Go back to the home screen.
L L	Go back to the previous screen.
C	Go to the electronic whiteboard screen. For details, see "3.2 Electronic Whiteboard".
88	After you insert the computer module, tap the icon to switch to the Windows system.
<u>P</u>	<ul> <li>Turn on the annotation mode.</li> <li>Tap A to select the type of pen and the size of the brush.</li> <li>Tap A to clear content.</li> <li>Tap A to clear unwanted content.</li> <li>Tap A to clear unwanted content, and then erase the selected content.</li> <li>Tap A to clear all content on the screen.</li> <li>Tap Save, and then select the path to save your annotations.</li> <li>Tap Exit to exit the annotation screen.</li> </ul>
6	Manage files.



# 3.1.3 Common Tools

## Procedure

- <u>Step 1</u> Tap on the left and right sides of the home screen to bring up the navigation bar.
- <u>Step 2</u> Tap  $\blacksquare$  to display the common tools.

Figure 3-3 Common tools





Function	Description
Settings	Go to the <b>Settings</b> screen. For details, see "3.5 System Settings".



Function	Description
	Turn on the annotation mode.
	• Tap 🔺 to select the type of pen and the size of the brush.
	• Tap III to clear content.
Annotation	◇ Tap In to clear unwanted content.
	$\diamond$ Tap $\widehat{\mbox{ml}}$ , circle unwanted content, and then erase the selected content.
	◇ Tap
	• Tap <b>Save</b> , and then select the path to save your annotations.
	• Tap <b>Exit</b> to exit the annotation screen.
Screen Sharing	Tap the icon to use the wireless screen sharing function. You can transfer content to the whiteboard through the computer or phone.
	Tap the icon, and then the middle area is selected by default. You can drag the four corners of the square to customize the area size.
	• Tap <sup>[2]</sup> , and then you can import the screenshot to the whiteboard with one tap
Screenshot	• Tap 2 to capture the full screen.
	• Tap 🛄 to cancel the screenshot.
	<ul> <li>Tap , and then the screenshot named year - month - day - hour - minute - second.png will be saved to the screenshot folder.</li> </ul>



Function	Description
	Tap the icon, and then select the files that you want to share. You can select different types of files but cannot select folders. The size of a single file must not exceed 200 MB. Tap <b>OK</b> to compress 2 or more files into a zip file for transmission. After a QR code is generated, you can scan the QR code to download the file, or tap <b>Continue to Select</b> under the QR code to return to the file selection screen to select more files.
	sharing function will automatically use WAN. If the whiteboard is not connected to the WAN, the QR sharing function will automatically switch to the LAN.
QRShare	<ul> <li>LAN mode: Displays the name and password of the whiteboard hotspot. After you connect to the hotspot, use the camera app or browser on your phone to scan the code. If encryption is enabled, you need to enter the verification password after scanning the code, and the download screen will be displayed after the verification is successful.</li> <li>WAN mode: Does not display the name and password of the whiteboard hotspot. If encryption is enabled, you need to enter the verification password after scanning the code with the camera app or browser on your phone, and the download screen will be displayed after successful verification.</li> </ul>
	<ul> <li>File sharing poses a risk of data leakage. Keep the QR code safe.</li> <li>When the selected files have the same name, the QR code cannot be generated.</li> </ul>
Upload	<ol> <li>After tapping the icon, tap <b>REGISTER</b> to register to the cloud management platform. Enter the server address or domain name, and then tap <b>Register</b>. You can enable or disable the cloud management platform registration (the whiteboard will be registered to the cloud management platform after the function is enabled).</li> <li>After registering on the cloud management platform, you can upload the files on the whiteboard to the cloud platform to be saved and managed. You can upload different types of files but cannot upload folders.</li> </ol>
	The files are compressed into zip files. Tap <b>Upload</b> , and then the meeting list of the day and the previous two days is displayed. The default is the meeting at the upload time point meeting. If there is no meeting at this time point, the default is the nearest meeting before that time point.
Timer	Tap the icon, and then the timer setting screen is displayed. You can start and pause the timer, set full-screen display of information on the timer, and reset the timer (reset is only available when the timer is paused, and it will reset to the initial state 00:00:00).



Function	Description
	Tap the icon to take a picture.
Camera	<ul> <li>The built-in camera supports mirroring.</li> <li>Supports countdown settings, including: off, 3 s (default), 5 s, and 10 s.</li> <li>Tap Import Whiteboard, and then you can import the screenshot to the whiteboard with one tap.</li> <li>Tap with to save the picture to the local default folder. The picture is named year-month-day-hour-minute-second.png by default.</li> <li>Supports QR sharing.</li> </ul>
Energy saving	With this function enabled, the backlight is set to a lower value. The backlight brightness can be adjusted manually or automatically.
Eye Care	Enable or disable the eye care function. With this function enabled, the whiteboard will reduce the intensity of its blue light and change the screen to eye care mode.
Brightness	Drag the slider to adjust the backlight brightness. You can tap <b>Auto</b> to enable the auto adjustment function. The whiteboard can automatically adjust the brightness according to the environment. For details, see "3.5.2 Configuring General Settings".
Volume	Drag the slider to adjust the volume. Tap <b>Mute</b> to enable mute.
Touch Lock	Tap the icon to disable touch control for the screen.
Screen Lock	Tap the icon to lock the screen.
Power	Tap the icon to shut down, restart the whiteboard, or exit Windows.



# 3.2 Electronic Whiteboard

Tap **Whiteboard** on the home screen to open the whiteboard software. You can write or draw pictures on the screen.



Figure 3-4 Electronic whiteboard

Table 3-4 Description of whiteboard icons

lcon	Description
1	Adjust the location of the whiteboard tool bar.
$\bigcirc \bullet \bigcirc$	Select or customize the color of the pen.
A	Select the type of pen and the size of the brush.
m	<ul> <li>Erase content.</li> <li>Tap n to clear unwanted content.</li> <li>Tap n, circle unwanted content, and then erase the selected content.</li> <li>Tap to clear all content on the screen.</li> </ul>
	Select content on the screen to zoom in, zoom out, move or rotate.
V	<ul> <li>Switch between zoom mode and co-write mode.</li> <li>Zoom mode: Only supports one-point writing. You can zoom in and zoom out the canvas.</li> <li>Co-write mode: Supports 10 pens writing simultaneously. You cannot zoom in or zoom out the canvas.</li> </ul>





lcon	Description
Ś	Undo the previous action. You can undo up to 20 actions.
Ŕ	Redo the action that has been undone. You can redo up to 20 actions.
+	<ul> <li>Tap the icon to insert images, graphics or tables.</li> <li>Image: You can insert images in the bmp, png, jpg, jpeg or gif format. Up to 10 images in total can be inserted.</li> <li>Graphic: Select a type of graphic that you want to insert.</li> <li>Table: The default table layout is 3 × 3. The table supports up to 12 columns and 12 rows.</li> </ul>
+	Add a whiteboard page. You can add up to 50 pages.
∢ 01 01 ▶	Tap 01101 to preview the saved file list. Tap the file to edit. When you have created several files, tap < or > to switch to the previous file and the next file. You can browse the thumbnail of the switch page.
	Tap the icon, and then you can perform the following operations.
	<ul> <li>New : Create a new whiteboard file. Remember to save your content before creating a new file, or else you will lose all your changes.</li> <li>Open : Open the saved writing file. Only the whiteboard file format can be opened. After you tap <b>Open</b>, the system will jump to the whiteboard file column on file management screen.</li> <li>Change Background : You can use a local background template or custom template.</li> </ul>
••••	<ul> <li>The custom template only supports images in bmp, png, jpg and jpeg formats. The image size is limited to 5 MB. The recommended image ratio is 16:9.</li> <li>Save : Save the file. The default name of the file is year-month-day-hourminute-second. You can customize the file name. The file format can be wbh (source file format), pdf, and png. The source file format is used by default.</li> <li>Save as : Save as a new file. The default file name is year-month-day-hourminute-second. The file format can be wbh (source file format), pdf, and png. The source file format), pdf, and png. The source file format), pdf, and png. The source file format is used by default.</li> <li>Scan to Go : Download the written whiteboard file.</li> <li>Exit : Exit the whiteboard app.</li> <li>Remember to save your modifications before exiting, or you will lose all</li> </ul>
	your changes.

# 3.3 File Management

Manage local files and files on the USB drive.

Tap **FileManager** on the home screen to view the whiteboard files, images, documents and more.


<u>0-11</u>

- Tap and hold a file or folder to select the file or folder.
- Double-tap a file or folder to open the file or folder.





Table 3-5 File management icons

lcon	Description	
÷ , →	View local files on the previous or next screen.	
Q	Enter file names to search for.	
88 间	Display files in thumbnail or list format.	
Sort	Sort files in the ascending or descending order by name, size and time.	
Multi-select	You can select multiple files or all the files.	
Create	Create a new folder.	
Сору		
Cut	Select a file or folder, tap <b>Copy</b> or <b>Cut</b> , and then tap <b>Paste</b> to paste the file or folder	
Paste		
Delete	Delete files or folders.	
Rename	Rename the files and folders. You cannot change the suffix of the file name.	



# 3.4 Screen Sharing

You can remotely control the whiteboard on the phone, computer, or tablet, and project the content to the whiteboard screen.

# 3.4.1 Sharing Screen through App

After sharing the screen between the whiteboard and your phone or other devices such as tablets, you can project content from the phone or other devices to the screen of the whiteboard and control the whiteboard on your phone or other devices.

# Prerequisites

The whiteboard and your computer are on the same LAN network and the hotspot of the whiteboard has been enabled. For details, see "3.5.1 Configuring Network Connection".

# Procedure

- <u>Step 1</u> Tap **Screen Sharing** on the Android home screen of the whiteboard.
- <u>Step 2</u> Use your phone or tablet to scan the QR code on the lower-left corner of the screen, and then download and install the EShare app that corresponds to the operating system on your phone or other devices. For example, EShare for Android.

 $\square$ 

- You can also download the app by visiting http://IP address:port on your phone.
- The IP address might vary depending on the network the whiteboard is connected to.
- Tap 🕑 to zoom out the QR code.
- Tap 🗗 to enable WebCast so that you can use a browser to share the screen without the help of the EShare app.





<u>Step 3</u> Open the EShare app, and then select the device name of the whiteboard to connect the whiteboard and EShare.



After connection is successful, you can control the whiteboard on your phone or other devices and project content to the whiteboard screen.

## Table 3-6 EShare icon description

lcon	Description
Icon       Description         Image: Second state in the integration of the state integrates in the state integrates in the states integrates in the state	
Icon       Description         Image: Second state and state	Group settings.
	<ul> <li>Enable : Duplicate your screen to all other devices in the display group.</li> <li>Only valid in client screen sharing : Only when you share the screen of your phone or other devices using the client, the screen is mirrored to other devices in the group.</li> <li>Disable : Stop duplicating your screen to the devices in the group.</li> <li>Invitation for joining display group.</li> <li>Auto-accept : Other devices can duplicate their screen to your screen</li> </ul>
	<ul> <li>without any permissions.</li> <li>Notify me : The system will prompt you when you receive an invitation for joining a display group.</li> <li>Disable : Refuse to join any display groups.</li> </ul>



lcon	Description
	<ul> <li>Description</li> <li>Moderator control center.</li> <li>Share screen or files.</li> <li>All allowed : You can project the screen or send files from your phone or other devices to the whiteboard without further authorization.</li> <li>Need authorization : The system will ask for authorization when you project the screen or send files from your phone or other devices to the whiteboard.</li> <li>Disable : You are not allowed to project the screen or send files from your phone or other devices to the whiteboard.</li> <li>View, control and wireless annotation.</li> <li>Allowed : You can view and control the whiteboard screen and make annotations from your phone or other devices.</li> <li>View only : You can view the whiteboard screen from your phone or other devices but cannot control the whiteboard or make annotations.</li> <li>Need authorization : The system will ask for authorization to view and control the whiteboard screen from your phone or other devices.</li> <li>Disable : You cannot view and control the whiteboard screen and make annotations from your phone or other devices.</li> <li>Disable : You cannot view and control the whiteboard screen and make annotations from your phone or other devices.</li> <li>Disable : You cannot view and control the whiteboard screen and make annotations from your phone or other devices.</li> <li>Eloating moderator button.</li> <li>Always display : The floating moderator button appears on any screen. You can tap the button to go to the moderator control center.</li> <li>Only on Home screen : The floating moderator button appears only on the home screen.</li> <li>Disable : Hide the floating moderator button.</li> <li>Auto : The floating moderator appears when the whiteboard is connected to the phone or other devices. You can view the number of connected</li> </ul>
	Display settings.
\$	<ul> <li>Device Name : You can customize the device name.</li> <li>Connection Mode : Select a connection mode.</li> <li>Device name: When you open EShare, the app will automatically display large display devices on the same network. Select the device name of the whiteboard to connect the whiteboard and EShare.</li> <li>PIN code (4 digits): You need to enter the 4-digit PIN code to connect the whiteboard and EShare.</li> <li>PIN code (6 characters): You need to enter the 6-character PIN code to connect the whiteboard and EShare.</li> <li>Multiple Screens : Select Disable, 2 Screens, 4 Screens, 6 Screens, or 9 Screens.</li> <li>Show Device Name on Screen : Show the name of the devices connected with the whiteboard.</li> <li>Auto Fullscreen : The screen of the connected device covers the full screen of the whiteboard even though the screen aspect ratios of the whiteboard and the connected device are different.</li> <li>AirPlay Visible : Allow iOS and macOS devices on the same network with the whiteboard to share screen without installing the EShare app.</li> </ul>



lcon	Description
User's Manual	View the basic guide of screen sharing.

# 3.4.2 Sharing Screen through Wireless Presentation Dongle

After sharing the screen between the computer and whiteboard, you can project content from the computer to the screen of the whiteboard and control the whiteboard on your computer.

# Prerequisites

- The whiteboard and your computer are on the same LAN network and the hotspot of the whiteboard has been enabled. For details, see "3.5.1 Configuring Network Connection".
- Get a compatible wireless presentation dongle. It does not come with the whiteboard. Purchase it as needed.

# Procedure

<u>Step 1</u> Pair the wireless presentation dongle with the whiteboard.

- 1. Tap **Screen Sharing** on the Android home screen of the whiteboard.
- 2. Insert the wireless presentation dongle into the USB port on the front panel of the whiteboard.

The wireless presentation dongle starts pairing with the whiteboard.

- 3. Wait until the system prompts successful pairing.
- 4. Tap **OK**.
- <u>Step 2</u> Project content from your computer to the whiteboard.
  - 1. Connect the wireless presentation dongle to the USB port of your computer.

Ш

For the first-time use, you might need to install the driver of the wireless presentation dongle. The installation might take a while. If installation failed, download the driver manually and then try again.

2. Press the button on the wireless presentation dongle to project content from your computer to the whiteboard.

# 3.5 System Settings

Configure network settings, general and advanced settings, and other system settings.

# **3.5.1 Configuring Network Connection**

On the home screen, tap **More** > **Settings** to configure the network settings.

 $\square$ 

You can enable wireless network or wired network. Wireless network and wired network cannot be enabled at the same time. The whiteboard itself can also act as a hotspot to share network connection with other devices.



# Figure 3-7 Network

Vetworl	k	MAC Address	
((:-	Wireless	Wireless Network	
۵	Wired	Select Network	Add Network
G	Hotspot		
(…)	Network Status	dahuaguest Interarted with WHA	
Seneral	I	dahuavip Benarat with 1906	() () () () () () () () () () () () () (
0	Personalise	B4-14693-wifi	(î)
Ø	Compass	DahuaDeepHubaaec	
d»	Sound & Display	1000	
¢	Tone	familied with other	
dvano	ed	DAHUA_test Second with With	िते 🕛
Q	Signal Source	DIRECT-03-HP M427 LaserJet	
6	Device Management	WIN14968191018 7973	<u> </u>

# Table 3-7 Network parameters

Parameter	Description
Wireless	Enable <b>Wireless Network</b> , and then the whiteboard can connect to an available Wi-Fi network in the area. To add a wireless network, tap <b>Add Network</b> , enter the SSID network name and password, and then configure advanced settings as needed.
	We recommend you select a secure authentication method to connect to a wireless network.
Wired	Configure wired network connection parameters.
	<ul> <li>DHCP : When there is a DHCP server on the network, you can enable Wired, and then the whiteboard gets a dynamic IP address automatically.</li> </ul>
	• <b>Static</b> : Set IP address, subnet mask, default gateway and DNS manually for the whiteboard.
Hotspot	Enable <b>Hotspot</b> , configure the network SSID and then enter the password. You can view hotspot name, hotspot password, encryption method, frequency band and other information.
Network Status	Displays information such as the current network connection mode, IP address, default gateway, subnet mask, and DNS.



# 3.5.2 Configuring General Settings

On the home screen, tap **More** > **Settings** to configure the general settings.

Figure 3-8 General settings



Table 3-8 Genera	l settings	description
------------------	------------	-------------

Description	
Set the background image, and you can enable <b>Carousel</b> to play the selected background images in turn and customize the boot screen.	
<ul> <li>The system provides 8 wallpapers by default.</li> <li>You can also customize and upload wallpapers. The recommended image ratio is 16:9.</li> </ul>	
Select or customize when the compass is automatically hidden away, and the manner in which it is hidden (small circle or disappear).	
After you enable the compass, double-tap with two fingers to bring it up.	
<ul> <li>Adjust the level of volume. If the volume is 0, a mute sign will be displayed at the lower-left corner of the screen.</li> <li>Sound effect: You can select <b>Standard</b>, <b>Music</b>, <b>Meeting</b> and <b>Theater</b>.</li> <li>Brightness can be adjusted manually in the range of 1–100 or automatically according to the ambient brightness.</li> </ul>	
The system provides 4 tones by default.	
Tap <b>Add Audio</b> to add external audio. You can add up to 10 audio files and the size of each file must be less than 500 KB. Tap <b>u</b> to delete the added audio.	



# 3.5.3 Configuring Advanced Parameters

On the home screen, tap **More** > **Settings** to configure the advanced parameters.

Figure 3-9 Advanced parameters

Gener	al	Startup Channel	Android >
Personalise	Startup Application	None >	
$\oslash$	Compass	Signal Source Connection	Auto Redirect >
d»	Sound & Display	Customize Channel Name	
Q	Tone	Android	Android
Advan	ced	HDMI	HDMI
Q	Signal Source		
Co	Device Management	windows	windows
	RS-232 Control		
Syster	n		
╚	Date & Time		
	Language & Keyboard		
$\bigcirc$	Power Status		

# Table 3-9 Description of advanced parameters

Parameter	Description
	<ul> <li>Startup Channel : Select the channel to be enabled at startup.</li> <li>Startup Application : Select an application that is on the whiteboard to be opened every time the system starts.</li> <li>Signal Source Connection :</li> </ul>
Signal Source	<ul> <li>Auto Redirect : Connect to the signal source and automatically redirect to the corresponding channel.</li> <li>Pop-up Window : When a signal source is connected, a pop-up window appears asking whether to jump to the connected source channel.</li> </ul>
	• <b>Customize Channel Name</b> : Customize the channel name. After the name is modified, the corresponding channel name of the whole system will be modified synchronously.
Device Management	View information on the camera, microphone, and speaker.
RS-232 Control	With <b>RS-232 Control</b> enabled, connect the whiteboard to the RS-232 transparent debugging serial port for data transmission between devices.





Parameter	Description
Device Management	<ul> <li>View information on the camera, microphone, and speaker. You can import firmware package to update the camera or recalibrate the postilion of the camera.</li> <li>HDMI OUT : The function is available after the whiteboard is connected to a monitor through the HDMI OUT port. After you enable HDMI OUT, the whiteboard outputs signals at the maximum resolution of the monitor by default. You can select different resolutions depending on the capacity of the monitor.</li> <li>Pick-up Pen Detection : After you enable the function, when you pick up a stylus pen from the pen attaching area at the bottom of the whiteboard, the system pops up a window and prompts you to open electronic whiteboard or enter annotation mode.</li> </ul>
	<ul> <li>The system does no give pick-up pen prompt during the setup wizard and update.</li> <li><b>RS-232 Control</b>: With <b>RS-232 Control</b> enabled, you can connect the whiteboard to the RS-232 transparent debugging serial port for data transmission between devices.</li> <li><b>IR Frame Version</b>: Tap <b>Update</b> to update the version of the IR frame.</li> </ul>
Device Management Device Management Device Strangement  Accessibility	<ul> <li>Non-contact Control : Use gestures to turn screens and take screenshots.</li> <li>Target Recognition : Recognizes target.</li> </ul>
	• <b>Person Unlock</b> : Applies to screen lock and touch lock.
Parameter       I         Device Management       I         Accessibility       I	<ul> <li>After you enable the function, a registered person can unlock the whiteboard and an unregistered person can wake up the screen.</li> <li>Speaker Tracking : Applies to video conference.</li> </ul>
Accessibility	<ul> <li>Audio tracking: The whiteboard tracks the participant who is speaking, places the speaker in the middle of the image and adjusts the image size through digital zoom.</li> <li>Auto-farming: The camera supports self-adaptive panoramic shooting. It can adjust the image to include all participants according to the number of participants and their positions. The participants are located in the middle of the image with the size of the nameplates of the participants in the panoramic image automatically adjusted.</li> </ul>
Device Management	Non-contact control and target recognition cannot be enabled at
	the same time.



# 3.5.4 Configuring System Parameters

On the home screen, tap **More** > **Settings** to configure the system parameters.

Figure 3-10 System parameters

Ļ	rone	Current Time 2022/02/15 16:01			
Advand	ced				
$\bigcirc$	Signal Source	Auto Sync		)	
6	Device Management	Time Format	24-Hour >		
	RS-232 Control	Data Format			
System	6	Date romat		2	
	Date & Time	Time Zone	GMT+08:00,China Standard Time(Beijing) >	ł,	
	Language & Keyboard	If you have registered for Cloud Management Platform successfully, the time will be synchronized automatically, if Auto Sync has been disabled, Time Formal, Date Format, and Time Zone turns grey, and cannot be configured. If			
$\bigcirc$	Power Status	you are disconnected with the platform, Au	you are disconnected with the platform. Auto Sync will be enabled automatically.		
$\odot$	System Security				
O	Factory Settings				
	User Agreement				
$\odot$	System Upgrade				
$\odot$	About				

Table 3-10 System parameter description

Parameter	Description		
	Set the date and time automatically or manually. You can configure the format of the time, date and time zone.		
Date & Time	With <b>Auto Sync</b> enabled, the system time is synchronized with the server time. When it is disabled, you need to manually set the date and time.		
Language & Keyboard	Select the system language and the input method.		
	Set the startup and shutdown functions of the whiteboard.		
	• <b>Startup Options</b> : Select standby after power on or startup after power on (default).		
Power Status	• Screen Turn Off : Offers always on and no operation after 1 min, 5 min and 10 min. It also has custom configuration from 1 to 60 min.		
	• Scheduled Power On/Off (Max. 10 plans) : Tap Add Plan to set		
	when to automatically power on and off the system. Tap $\overline{\mathbf{U}}$ to delete the plan.		



Parameter Description		
System Security	<ul> <li>Passcode : After enabling Passcode, you can unlock the whiteboard with digital password.</li> <li>Pattern : After enabling Pattern, you can unlock the whiteboard by drawing a pattern.</li> <li>Lock Screen : Tap Lock screen, and then select a screen lock option, including no operation after 1 min, 5 min and 10 min, and custom configuration.</li> <li>Touch Lock : After enabling touch lock, you cannot use touch control on the screen. Press the power button 3 times in 2 seconds to unlock the touch lock.</li> <li>USB Permission : With USB permissions disabled, the system does not detect the access of USB devices.</li> <li>The system does not support the simultaneous use of pattern password and digital password.</li> <li>The password cannot be retrieved. Keep your password safe. If you forgot the password, contact out customer support.</li> </ul>	
Factory Settings	Tap <b>FACTORY SETTINGS</b> , and all your operation records and saved content will be deleted. The whiteboard will also be restored to its factory settings.	
User Agreement	View the privacy policy, software license agreement, and open source agreement.	
System Upgrade	View the current system version. When the whiteboard is connected to a network, tap <b>CHECK FOR UPDATES</b> to check whether there is a new version available.	
About	View MAC address, device serial number, device name (can be edited), running memory, storage space, resolution, system version, Android version, and security baseline version.	
	The device name can consist of up to 31 characters and contain letters, numbers, and special characters (-@.).	



# 4 Shutdown

After the whiteboard is turned on, press and hold the power button for 5 s, and then the system will prompt you whether to shut down the whiteboard. Tap **OK** to shut down the whiteboard.

The whiteboard provides power-off protection to the computer module. After you shut down the whiteboard, the computer module will shut down a little while afterwards.



# 5 System Update

You can update the system online or through USB.

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Please be advised that downgrading to a lower version will make the whiteboard vulnerable to security attacks.

# 5.1 Online Update

After the whiteboard is registered to the cloud management platform, the platform can send the update package to the whiteboard.

# Prerequisites

Make sure the whiteboard is connected to the network.

# Procedure

- <u>Step 1</u> On the home screen, select **More** > **Settings** > **System Upgrade**.
- Step 2 Tap CHECK FOR UPDATES.
- <u>Step 3</u> When the system detects that a newer version available, tap **Download** to download the update package.
- <u>Step 4</u> After the package is downloaded, automatic update starts. After it updates, the whiteboard restarts automatically.

# 5.2 Update through USB

You can upload update.zip file into a USB flash drive and then use the update file to update the system.

# Prerequisites

Get the update package from the technical support.

# Procedure

- <u>Step 1</u> Change the name of the update package to update.zip, and then save the file to the root directory of the USB flash drive.
- <u>Step 2</u> With whiteboard turned on, plug the USB flash drive into the USB port of the whiteboard.

Update the system with a USB flash drive in the FAT 32 format. Otherwise, update might fail.

<u>Step 3</u> When the system prompts whether to update immediately, tap **Upgrade**. The update begins. After it updates, the whiteboard restarts automatically.



# 6 FAQ

# 1. The whiteboard shuts down automatically.

- Check whether you have enabled the sleep function. You can refer to the regular computer troubleshooting procedure.
- Check the channel of the input source. If there is no signal, the whiteboard will shut down automatically.
- Check whether the power supply is stable.

# 2. The indicator light is off.

- Check whether the power supply is normal.
- Check whether the rocker switch of the whiteboard is turned on.

# 3. Missing or abnormal colors.

If the whiteboard is connected to a computer, check whether the HDMI cable is intact and correctly connected.

- 4. The image is not displayed in full screen or part of the image is outside the screen.
  - Check whether the resolution is 16:9.
  - If the whiteboard is connected to an external computer, unplug the HDMI cable and then plug it back in.
- 5. The whiteboard displays images but has no sound.
  - Adjust the volume.
  - If the whiteboard is connected to a computer, check whether the audio cable is correctly connected.
- 6. Touch response is poor and the location that responds is not accurate.
  - Check whether other objects such as paper or your sleeves are in contact with the screen.
  - Check whether the resolution is 16:9.

# 7. Touch control is not working.

If the whiteboard is connected to a computer, check whether the TOUCH port of the whiteboard is correctly connected to the USB port of the computer.



# **Appendix 1 Touch Operation**

You can use the stylus pen or directly use your fingers to operate the device screen.

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This section uses operation with stylus pen as an example.

Appendix Table 1-1Touch operations

Operation	Description
Тар	Tap the screen once with the stylus pen.
Double-tap	Tap the screen twice with the stylus pen (The time gap between the taps is around 0.5 s).
Context menu	Slightly touch the screen for 1 to 2 seconds with the stylus pen. Lift the stylus pen when there is a circle on the screen, and then the context menu is displayed.
Drag	Hold the icon that needs to be dragged with the stylus pen and then move the stylus pen to the target place. Lift the stylus pen to drop the item.
Slide	Hold the screen (such as the slider that is used for the web browser) that you want to slide with the stylus pen, and then slide the stylus pen toward the direction you want. Lift the stylus pen to release the screen.
Zoom	Use the stylus pen to press and hold the window (such as the web pages and images), and then use another stylus pen to drag the window to zoom in and zoom out.



# **Appendix 2 Cybersecurity Recommendations**

Cybersecurity is more than just a buzzword: it's something that pertains to every device that is connected to the internet. IP video surveillance is not immune to cyber risks, but taking basic steps toward protecting and strengthening networks and networked appliances will make them less susceptible to attacks. Below are some tips and recommendations from Dahua on how to create a more secured security system.

## Mandatory actions to be taken for basic device network security:

## 1. Use Strong Passwords

Please refer to the following suggestions to set passwords:

- The length should not be less than 8 characters.
- Include at least two types of characters; character types include upper and lower case letters, numbers and symbols.
- Do not contain the account name or the account name in reverse order.
- Do not use continuous characters, such as 123, abc, etc.
- Do not use overlapped characters, such as 111, aaa, etc.

## 2. Update Firmware and Client Software in Time

- According to the standard procedure in Tech-industry, we recommend to keep your device (such as NVR, DVR, IP camera, etc.) firmware up-to-date to ensure the system is equipped with the latest security patches and fixes. When the device is connected to the public network, it is recommended to enable the "auto-check for updates" function to obtain timely information of firmware updates released by the manufacturer.
- We suggest that you download and use the latest version of client software.

## "Nice to have" recommendations to improve your device network security:

### 1. Physical Protection

We suggest that you perform physical protection to device, especially storage devices. For example, place the device in a special computer room and cabinet, and implement well-done access control permission and key management to prevent unauthorized personnel from carrying out physical contacts such as damaging hardware, unauthorized connection of removable device (such as USB flash disk, serial port), etc.

### 2. Change Passwords Regularly

We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.

### 3. Set and Update Passwords Reset Information Timely

The device supports password reset function. Please set up related information for password reset in time, including the end user's mailbox and password protection questions. If the information changes, please modify it in time. When setting password protection questions, it is suggested not to use those that can be easily guessed.

### 4. Enable Account Lock

The account lock feature is enabled by default, and we recommend you to keep it on to guarantee the account security. If an attacker attempts to log in with the wrong password several times, the corresponding account and the source IP address will be locked.

# 5. Change Default HTTP and Other Service Ports

We suggest you to change default HTTP and other service ports into any set of numbers between 1024–65535, reducing the risk of outsiders being able to guess which ports you are using.

## 6. Enable HTTPS

We suggest you to enable HTTPS, so that you visit Web service through a secure communication channel.





# 7. MAC Address Binding

We recommend you to bind the IP and MAC address of the gateway to the device, thus reducing the risk of ARP spoofing.

## 8. Assign Accounts and Privileges Reasonably

According to business and management requirements, reasonably add users and assign a minimum set of permissions to them.

## 9. Disable Unnecessary Services and Choose Secure Modes

If not needed, it is recommended to turn off some services such as SNMP, SMTP, UPnP, etc., to reduce risks.

If necessary, it is highly recommended that you use safe modes, including but not limited to the following services:

- SNMP: Choose SNMP v3, and set up strong encryption passwords and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up strong passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up strong passwords.

## 10. Audio and Video Encrypted Transmission

If your audio and video data contents are very important or sensitive, we recommend that you use encrypted transmission function, to reduce the risk of audio and video data being stolen during transmission.

Reminder: encrypted transmission will cause some loss in transmission efficiency.

### 11. Secure Auditing

- Check online users: we suggest that you check online users regularly to see if the device is logged in without authorization.
- Check device log: By viewing the logs, you can know the IP addresses that were used to log in to your devices and their key operations.

### 12. Network Log

Due to the limited storage capacity of the device, the stored log is limited. If you need to save the log for a long time, it is recommended that you enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

## 13. Construct a Safe Network Environment

In order to better ensure the safety of device and reduce potential cyber risks, we recommend:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network.
- The network should be partitioned and isolated according to the actual network needs. If there are no communication requirements between two sub networks, it is suggested to use VLAN, network GAP and other technologies to partition the network, so as to achieve the network isolation effect.
- Establish the 802.1x access authentication system to reduce the risk of unauthorized access to private networks.
- Enable IP/MAC address filtering function to limit the range of hosts allowed to access the device.

# More information

Please visit Dahua official website security emergency response center for security announcements and the latest security recommendations.

# ENABLING A SAFER SOCIETY AND SMARTER LIVING

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# DHI-LCH55/65/75/86-MC410-B

55/65/75/86 inch Smart Interactive Whiteboard



#### System Overview

Dahua DeepHub Lite Series Smart Interactive Whiteboard has powerful processing capabilities with its built-in 4-core CPU, 4-core GPU, 4G RAM, 32G storage, and Android 9 OS.With a high-precision infrared touch sensor and a 4K DLED display, Dahua DeepHub will give you an extraordinary experience of writing, controlling, and content displaying. It features video conferencing, wireless screen sharing, UHD display, scan & go, etc., and will be your go-to choice to digitalize your office and classrooms.

#### Functions

#### **Real Writing Experience**

The intelligent whiteboard supports pen-point writing. With its Zero Air Gap technology and low latency, writing on the whiteboard feels natural, similar to the real writing experience.

#### Wireless Screen Sharing

In addition to basic file sharing, the device offers wireless screen sharing, interactive operations between two screens, and reverse transmissions. It also supports screen grouping (multiple transmission), host mode (for overall permission control), real-time transmission of images, videos and audios from the wireless camera of the mobile phone to the device, and split-screen mode that displays up to 9 splits on the same screen.

#### Easy to Share

Enhances the experience of sharing files by scanning a code. It automatically determines the network of the device to readily share the QR code across the extranet and the intranet. QR code encryption and extraction are also featured, providing privacy and data security through the required entry of a 6-digit password for verification.

#### Hidden Antenna Design

The Wi-Fi and hotspot antenna is neatly concealed in the front of the device, ensuring the stability of the signal strength when using a flush mount, and giving the device its simple and sleek appearance.

- 4K HD display.
- Supports using both Android and Windows (PC module must be installed).
- Wireless screen sharing from multiple devices, such as phones, computers, and tablets.
- Supports being written on with a stylus.
- Supports Office software, and playing videos and audio files.
- The startup channels are all customizable.
- Wired and wireless network support.
- Built-in 5-MP camera.

#### Scene

The whiteboard is ideal for use in indoor sites such as in meeting rooms, command centers, hospitals, banks and classrooms.

Technical Specification	
Built-in System	
Operating System of External Module	Android 9.0
CPU	Quad-core A55
CPU Frequency	1.9 GHz
GPU	Mali-G31 MP2
RAM	4 GB
ROM	32 GB
Function	
Applicable Operating Systems	Windows 7/8/10; Android
WiFi	Dual-band 2.4 Ghz/5 Ghz
Wi-Fi Hotspot	Dual-band 2.4 Ghz/5 Ghz; supports enabling hotspot and Wi-Fi at the same time
LCD Panel	
Panel Dimensions	55-inch; 65-inch; 75-inch; 86-inch
Backlight	DLED
Aspect Ratio	16:9
Brightness	55-inch: 300 cd/m²; 65-inch: 350 cd/m²; 75-inch: 350 cd/m²; 86-inch: 400 cd/m²
Resolution	3840 (H) × 2160 (V) UI: 1920 (H) × 1080 (V)
Viewing Angle	H: 178°; V: 178°
Lifespan	50,000 hours
Display Color	1.07 B/10 bit (8 bit + FRC)

# DeepHub Lite Series | DHI-LCH55/65/75/86-MC410-B

Response Time	8 ms (typ.)
Refresh Rate	60 Hz
Static Contrast	VA: 4000 (typ.); IPS: 1200 (typ.)
Camera	
Pixel	5 MP
Auto Control	Auto white balance
Distortion	≤ 5%
Max. Resolution	Android: 1080p@30fps; OPS: 2560 × 1440@30fps
Field of View	H:84.5°; V: 54.0°; D: 93.1°
Device Ports	
Light Sensor	1
Front Button	1 × Power button (right side)
Front Ports	1 × USB 3.0 (left side)
Network Port	1 × RJ-45
Wi-Fi	1 × Wi-Fi; 1 × hotspot
USB	2 × USB 3.0 (Rear-facing); 1 × Micro USB
RS-232	1 × RS-232
Video Input	1 × HDMI IN
Audio Output	1 × 3.5 mm (Line out)
Others	1 × Touch
IrDA	1
Microphone	2
Touchscreen	
Touch Technology Type	IR touch technology
Response Time	< 10 ms
Touch Points	20
Valid Touch	2 mm
Writing Mode	Finger + Stylus pen
Communication Mode	USB
Anti-light Interference	Anti-dazzle tempered glass
Surface Hardness	8H
Touch Resolution	32767 × 32767
Number of Multi-user Writing Points	2
Speaker	
Power	Full frequency: 2 × 15 W
Built-in Speaker	2
Microphone	
Pick-up Distance	Far-field sound pickup: 6 m–8 m (19.69 ft–26.25 ft)

Number of Microphones	2
AGC	Yes
Echo Cancellation	Yes
Polar Pattern	Omnidirectional
Intelligent Noise Filtering	YES
General	
Power Supply	100–240 VAC, 50 Hz/60 Hz
Power Consumption	55-inch: 90 W (typ.); 200 W (max.); 65-inch: 90 W (typ.); 250 W (max.); 75-inch: 110 W (typ.); 300 W (max.); 86-inch: 120 W (typ.); 400 W (max.)
Operating Temperature	0 °C to +40 °C (32 °F to +104 °F)
Storage Temperature	-10 °C to +50 °C (-14 °F to +122 °F)
Operating Humidity	10%-90% (RH)
Storage Humidity	10%-90% (RH)
Product Material	Metal casing
Casing Color (Frame/Rear)	Bottom: Silver; top/left/right: black
Product Dimensions	65-inch: 1,485.0 mm × 86.9 mm × 924.7 mm (58.46" × 3.42" × 36.41")(L × W × H) 75-inch: 1,707.2 mm × 87.1 mm × 1,050.1 mm (67.21" × 3.43" × 41.34") 86-inch: 1,953.0 mm × 87.1 mm × 1,188.6 mm (76.90" × 3.43" × 46.80") 55-inch: (with camera): 1,261.4 mm × 80.9 mm × 816.6 mm (49.66" × 3.19" × 32.15") (L × W × H) 65-inch: (with camera): 1,485.0 mm × 86.9 mm × 941.2 mm (58.46" × 3.42" × 37.06") 75-inch: (with camera): 1,707.2 mm × 87.1 mm × 1,066.4 mm (67.21" × 3.43" × 41.98") 86-inch: (with camera): 1,953.4 mm × 87.1 mm × 1,205.1 mm (76.91" × 3.43" × 47.45")
Frame Size	Top: 43.1 mm (1.70"); left/right: 16.1 mm (0.63"); bottom: 67.8 mm (2.67")
Packaging Dimensions	55-inch: 1,366 mm ×180 mm × 935 mm (53.78" × 7.09" × 36.79") (L × W × H) 65-inch: 1587 mm × 235 mm × 1070 mm (62.48" × 9.25" × 42.13") 75-inch: 1810 mm × 235 mm × 1157 mm (71.26" × 9.25" × 45.55") 86-inch: 2056 mm × 235 mm × 1334 mm (80.94" × 9.25" × 52.52")
Net Weight	55-inch: 27.5 kg (60.63 lb) 65-inch: 38 kg (83.80 lb) 75-inch: 54 kg (119.10 lb) 86-inch: 64 kg (141.10 lb)
Gross Weight	55-inch version: 32.5 kg (71.65 lb) 65-inch version: 46 kg (101.41 lb) 75-inch version: 65 kg (143.30 lb) 86-inch version: 77 kg (169.76 lb)
Holes Distance	55-inch version: 400 mm × 400 mm (15.75" × 15.75") 65-inch version: 400 mm × 500 mm (15.75" × 19.69") 75-inch version: 400 mm × 600 mm (15.75" × 23.62") 86-inch version: 400 mm × 750 mm (15.75" × 29.53")
Installation	Wall mount, mobile bracket

# DeepHub Lite Series | DHI-LCH55/65/75/86-MC410-B

Standby Power Consumption	0.5 W
Packing List	Smart interactive whiteboard 1; Power cord 3; Stylus pen 2 ; Quick start guide 1; Wall mount bracket (already installed on the whiteboard) 1; Accessory package 1
Certifications	CE

# Installation



# Dimensions (mm[inch])









55-inch







65-inch







# DeepHub Lite Series | DHI-LCH55/65/75/86-MC410-B











86-inch

Panels



55-inch





65/75/86-inch

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#### CNPJ: 01.318.635/0001-02 INS

INSC: 07.363.401/001-39

À Fundação de Empreendimentos Científicos e Tecnológicos – FINATEC TIPO: MENOR PREÇO POR ITEM DATA: 02/10/2024 HORÁRIO: 10h00min E-MAIL: <u>selecao@finatec.org.br</u> Projeto "Implantação do Centro de Referência em EaD do IFB".

# SELEÇÃO PÚBLICA Nº 102/2024

Prezados Senhores,

Propomos, sob nossa integral responsabilidade, o fornecimento dos itens descrito no Termo de Referência – Anexo I desta Seleção Pública, pelos valores, descritos na planilha detalhada abaixo:

Item	Qde	DESCRIÇÃO	Valor unitário	Valor total
01	01	Monitor Profissional Samsung LED 55" Flip LH55WM	R\$ 11.900,00	R\$ 11.900,00
		Versão OS: Tizen 6.5		
		Tamanho do cartão de memória: 32 GB		
		Resolução: 3.840 x 2.160		
		Pixel Pitch: 0,315 x 0,315		
		Brilho: 350 cd/m2 (sem vidro), 220 cd/m2 (com vidro)		
		Contraste: 4000:1 (sem vidro)		
		Ângulo de visão (horizontal / vertical): 178/178		
		Tempo de resposta: 8 ms		
		Gama de cores: 72%		
		Opacidade do vidro: 2% (sem vidro)		
		Varredura horizontal: 30~81 khz		
		Frequência máxima de pixels: 594 MHz		
		Varredura vertical: 48~75 Khz		
		Garantia 36 meses.		
02	01	MONITOR TOUCH 75" Techlumens	R\$ 14.890,00	R\$ 14.890,00
		- Resolução: 16:9 (widescreen).		
		- Brilho:300 nit.		
		- Contraste: 5000:1.		
		- Ângulo de visualização: 178°.		
		- Vida útil: Superior à 50.000 horas.		
		- Consumo de energia: Inferior à 300 W e em standby		
		inferior à 0.5 W.		
		- Voltagem: Bivolt.		
		- Superfície de toque: Vidro temperado.		
		- Tecnologia do toque: Infravermelho.		
		- Toques Simultâneos: 20 toques.		
		- Tipos de Toque: Canetas passivas, dedos e objetos de		
		ponta opaca.		
		- Interface de comunicação do toque: USB-A		
		- Posição dos Auto-falantes: Frontal.		
		- Frequência de resposta: 180 - 20 K Hz.		
		- Potência de saída máxima: 10 W x 2.		
		Garantia 36 meses.		



CNPJ: 01.318.635/0001-02 INSC:

INSC: 07.363.401/001-39

00 R\$ 21.875,00
0 R\$ 3.556,00
D¢ 800 00
K\$ 890,00



#### CNPJ: 01.318.635/0001-02 INS

INSC: 07.363.401/001-39

	r r			
		ALTURA		
		*** (Medida do chão ao centro da base de monitor)		
		:: Altura Mínima: 1290mm;		
		·· Altura Intermediária 1370mm·		
		·· Altura Máxima: 1450mm:		
		$\frac{1}{2} = \frac{1}{2} = \frac{1}$		
		* 3 opções de altura para a 1 V.		
		DADOS TECNICOS		
		:: Material: Aço Carbono;		
		:: Acabamento: Tratamento Anti-Corrosão e pintura Epóxi		
		Eletrostática:		
		" Medidas da Bandeia Inferior: 18 5x29 3cm (I xP):		
		Medidas da Dandeja Interior. 40,9x29,9em (LxI),		
		.: Medidas da Bandeja Superior. 22,8x29,8cm (LxP);		
		:: Medida da Base de Chão: 66,5x88cm.		
07	01	Pedestal para TV de 55 a 85 Videoconferência com	<b>R\$ 1.307.00</b>	R\$ 1.307,00
		rodízios AVA 1800-70-1P	. ,	. ,
		10u12i05 A V A1000-70-11		
		TT I I I I I I I I I I I I I I I I I I		
		COMPATIBILIDADE		
		:: IVS LCD / LED / PLASMA / 3D / OLED / QLED de 55 a 85		
		polegadas;		
		:: TVs devem ter peso até 90kg;		
		:: Compatível com TVs que tenham o padrão de fixação VESA		
		200x200, 200x300, 300x200, 300x300, 400x200, 400x300, 400x400,		
		600x200_600x400_800x200_800x400 e 800x500 mm (HxV)		
		normalmente encontrado em televisores de 55 a 85 polegadas		
		CADACTEDÍSTICAS		
		:: Pedestal de Chao para TV;		
		:: Bandeja de apoio para Notebook, Receptor, DVD player, Blu-Ray;		
		:: Bandeja superior para câmera/ webcam/ equipamentos de vídeo		
		chamadas Policom, logitech;		
		:: Desenvolvido com materiais de alta resistência e fino acabamento		
		FUNCÕES		
		· Aiusta da altura da TV.		
		Ajusit ut aliula ua 1 v,		
		:: Ajuste de Altura da bandeja superior;		
		:: Ajuste de altura da bandeja para Notebook;		
		:: Passagem interna para fiação;		
		:: Rodízios para movimentar o pedestal sobre superfícies planas.		
		CAPACIDADE DE CARGA		
		$\cdot \cdot $		
		Carga máxima cobra a handaia cunariar. Atá 5 kar		
		Carga maxima soure a bandeja superior. Até 5 kg;		
		:: Carga maxima sobre a bandeja inferior: Até 5 kg.		
		ALTURA		
		(Medida do chão ao centro da base de monitor)		
		:: Altura Mínima: 1350 mm;		
		·· Altura Máxima: 1650 mm.		



#### CNPJ: 01.318.635/0001-02 INSC: 07.363.401/001-39

08	01	<ul> <li>* Intervalos de regulagem de altura a cada 50 mm.</li> <li>DADOS TÉCNICOS</li> <li>:: Material: Aço Carbono;</li> <li>:: Acabamento: Tratamento Anti-Corrosão e pintura Epóxi Eletrostática;</li> <li>:: Cor: Preto;</li> <li>:: Medidas da Bandeja Superior: 256x125mm (LxP);</li> <li>:: Medidas da Bandeja Inferior: 500x260mm (LxP).</li> <li>Suporte articulado ELG A02V6N 32" a 75" Vesa 600</li> </ul>	R\$ 310,00	R\$ 310,00
09	01	Echo Dot 5 <sup>a</sup> geração Amazon, com Alexa, Smart Speaker, Preto	R\$ 399,00	R\$ 399,00
11	01	TrateCase Rígido Para Transporte De Equipamentos76.3x48.3x40.2c Cor PretoCor PretoCaracterísticas:• Dimensões externas: 85x56x42cm• Dimensões externas: 85x56x42cm• Dimensões internas: 76x48x40cm• Design vedado com selo de borracha• Proteção contra poeira e umidade com padrão IP67• Espuma de borracha perfurada adaptativa• Resistente à água, choques e poeira• Válvula de equalização de pressão manualMaterial: PP + fibra de vidroCor: pretoDimensões externas: 85x56.5x42.9cmDimensões internas: 76.3x48.3x40.2cmProteção à água: IP 67Resistência de Temperatura: -40°C ~ 90°CVolume: 145.84LPeso: 16.67Kg	R\$ 5.900,00	R\$ 5.900,00
12	01	Case Rígido Transporte Equipamento 54x40x25cm Espuma E Rodas	R\$ 2.990,00	R\$ 2.990,00



CNPJ: 01.318.635/0001-02 IN

INSC: 07.363.401/001-39



Propomos, sob nossa integral responsabilidade, o fornecimento dos equipamentos, na forma prevista na Presente Seleção e seus anexos, pelo valor global de R\$ 64.017,00 (Sessenta e quatro mil e dezessete reais).

Condições Gerais: Validade da Proposta: 30 dias Prazo de Entrega: até 30 (trinta) dias corridos Local de entrega: Campus Universitário Darcy Ribeiro, Edifício FINATEC, Asa Norte, Brasília – DF, CEP: 70910-900 Prazo de pagamento: até 15 (quinze) dias. Dados bancários: Banco do Brasil, Agência 1003-0, Conta Corrente nº 330.889-8. Frete e impostos: inclusos Garantia conforme item do edital . A Garantia de acessórios e baterias cobre SOMENTE DEFEITO DE FABRICAÇÃO (não cobre desgaste por tempo de uso (vida útil), quedas, mau uso ou uso inadequado.

Declaramos que nos preços ofertados estão incluídas todas as despesas, tributos e demais encargos de qualquer natureza, incidentes sobre o fornecimento dos equipamentos, nada mais podendo ser cobrado da FINATEC.

Brasília, 02 de Outubro de 2024.

paecenio farmallo posto.

Carolina Carvalho Cavalcante CPF:011.470.241-11

SOFN QUADRA 2 BLOCO A SL 04 - ASA NORTE BRASÍLIA - DF TELEFONE : (061) 3347 – 3232 CEL: (061) 98434 - 4830 e-mail: <u>compstore@terra.com.br</u>



Selecao Finatec <selecao@finatec.org.br>

# SELEÇÃO PÚBLICA Nº 102/2024

1 mensagem

Augusto Prado <vendas05@repremig.com.br> Para: selecao@finatec.org.br Cc: paulojr@repremig.com.br, Leonardo - Repremig <leonardo@repremig.com.br> 1 de outubro de 2024 às 16:59

Α

Fundação de Empreendimentos Científicos e Tecnológicos - FINATEC

SELEÇÃO PÚBLICA Nº 102/2024

#### PROPOSTA DE PREÇOS

Prezados Senhores,

Declaramos que foram examinadas minuciosamente as especificações e condições do Edital e de seus anexos, em especial seu Anexo I - Termo de Referência – destinado à contratação de empresa especializada em aquisição de equipamentos multimídia e audiovisuais.

Propomos, sob nossa integral responsabilidade, o fornecimento dos itens descritos no Termo de Referência – Anexo I desta Seleção Pública, pelos valores, descritos na planilha detalhada abaixo:

Conforme solicitado, estamos apresentando EM ANEXO preços, configurações e demais informações, para o fornecimento dos seguintes equipamentos:

### DADOS DA EMPRESA:

Razão Social	REPREMIG – REPRESENTAÇÃO E COMÉRCIO DE MINAS GERAIS LTDA
CNPJ	65.149.197/0002-51
Inscrição Estadual	083.614.25-7
Endereço	Rodovia ES-010, n.º 4255 A, Sala 05, Chácara 274A, Bairro Jardim Limoeiro CEP: 29.164-140, Serra/ES
Telefone/Fax	(31) 3047-4990
E-mail	leandro@repremig.com.br; leonardo@repremig.com.br

#### DADOS DO REPRESENTANTE LEGAL PARA ASSINATURA DO CONTRATO:

Nome do Repres. Legal	Leandro Figueiredo de Castro
Estado Civil	Casado
Nacionalidade	Brasileiro
Profissão	Empresário
Cargo	Sócio Administrador
Identidade	MG-11.454.362-SSP/MG
CPF	013.371.746-10

4.7 O prazo de validade da proposta de preços deverá ser de, no mínimo, 40 (quarenta) dias, a contar da data de sua apresentação. Caso não conste o prazo na proposta, esta será considerada válida pelo referido período.

5. DA HABILITAÇÃO

5.1 Considerando que o pagamento será efetuado mediante a entrega dos equipamentos, objeto desta Seleção Pública, a documentação relativa à habilitação da empresa fica dispensada nos termos do art. 24 do Decreto nº 8.241/2014.

Atenciosamente,

# **Augusto Prado**

Especialista em Licitações (31) 3047-4990 (Ramal 207)



www.repremig.com.br | www.lojarepremig.com.br



Não contém vírus.www.avast.com





A Fundação de Empreendimentos Científicos e Tecnológicos - FINATEC SELEÇÃO PÚBLICA Nº 102/2024

# PROPOSTA DE PREÇOS

Prezados Senhores,

Declaramos que foram examinadas minuciosamente as especificações e condições do Edital e de seus anexos, em especial seu Anexo I - Termo de Referência – destinado à contratação de empresa especializada em aquisição de equipamentos multimídia e audiovisuais.

Propomos, sob nossa integral responsabilidade, o fornecimento dos itens descritos no Termo de Referência – Anexo I desta Seleção Pública, pelos valores, descritos na planilha detalhada abaixo:

Conforme solicitado, estamos apresentando preços, configurações e demais informações, para o fornecimento dos seguintes equipamentos:

Lote	Descrição	Und.	Qtd.	Valor Unitário	Valor Total
01	Display interativo de 55 polegadas - configuração mínima: . Sistema operacional Android 11 ou Tizen 6.5 . Compatibilidade com nuvem . Permitir conexão simultânea sem fio com outros dispositivos . Espelhamento sem fio . Memória RAM 4 GB . Armazenamento 32 GB . Taxa de atualização: 60Hz . Pixel Pitch: 0,315 x 0,315 . Brilho: 350 cd/m2 (sem vidro), 220 cd/m2 (com vidro) . Gama de cores: 72% . Varredura horizontal: 30-81 khz . Varredura vertical: 48-75 khz . Resolução 3.840 x 2.160 - Retrato e Paisagem . Ângulo de visão (horizontal/vertical): 178/178 . Alto-Falante Embutido (10W x 2 Canais) . Portas: . HDMI . DP . USB C . USB . RJ45 . RS232 . Saída de áudio Stereo Mini Jack . Touch out . Bluetooth, Wifi . Multi-Touch para pelo menos 20 touchpoints . Caneta Touch . Cabos de energia e controle remoto . Aplicativos Inteligentes para salas de aula . Garantia: mínimo 36 meses, <i>on site</i>	Und.	02	<b>R\$ 8.100,00</b> (oito mil e cem reais)	R\$ 16.200,00 (dezesseis mil e duzentos reais)

Belo Horizonte / MG (MATRIZ)

Rua Vicentina Coutinho Camargos n.º 275A, Bairro Álvaro Camargos Belo Horizonte/MG - CEP: 30.860-130



	* Marca/Fabricante: <u>SAMSUNG</u> * Modelo: <u>WA65C</u> * Procedência: <u>Nacional</u>				
02	Display interativo de 75 polegadas - configuração mínima: Sistema operacional Android 11 Compatibilidade com nuvem Memória RAM 4 GB Armazenamento 32 GB Taxa de atualização: 60Hz Resolução 3.840 x 2.160 - Paisagem Ângulo de visão (horizontal/vertical): 178/178 Alto-Falante Embutido (12W x 2 Canais) Portas: Entrada: E HDMI 3 (2 Traseiras, 1 Dianteira) E OPS Entrada de áudio E Porta USB C (Dianteira) E 5 Portas USB RJ45 Saídas: Saída HDMI (Traseira) Saída de áudio Stereo Mini Jack RJ45 Bluetooth, Wifi Multi-Touch para pelo menos 40 touchpoints Caneta Touch Passiva Compatível com Slot OPS Cabos de energia e controle remoto Modo de múltiplas janelas: divisão de tela e janelas múltiplas, exibição e leitura de várias janelas ao mesmo tempo; Aplicativos Inteligentes para salas de aula Compartilhamento de telas compatível com windows Garantia: mínimo 36 meses, on site <b>Sem suporte</b> <b>* Marca/Fabricante: <u>SAMSUNG</u> <b>* Modelo: <u>WA75C</u> * Procedância: Nacional</b></b>	Und.	01	R\$ 10.500,00 (dez mil e quinhentos reais)	R\$ 10.500,00 (dez mil e quinhentos reais)
	Display interativo de 86 polegadas - configuração mínima: . Sistema operacional Android 11				
03	<ul> <li>Compatibilidade com nuvem</li> <li>Memória RAM 4 GB</li> <li>Armazenamento 32 GB</li> <li>Taxa de atualização: 60Hz</li> <li>Resolução 3.840 x 2.160 Paisagem</li> <li>Ângulo de visão (horizontal/vertical): 178/178</li> <li>Alto-Falante Embutido (12W x 2 Canais)</li> <li>Portas:</li> <li>Entrada:</li> <li>E HDMI 3 (2 Traseiras, 1 Dianteira)</li> </ul>	Und.	01	R\$ 12.500,00 (doze mil e quinhentos reais)	R\$ 12.500,00 (doze mil e quinhentos reais)

#### Belo Horizonte / MG (MATRIZ)

Rua Vicentina Coutinho Camargos n.º 275A, Bairro Álvaro Camargos Belo Horizonte/MG - CEP: 30.860-130



<ul> <li>Entrada de áudio</li> <li>E Porta USB C (Dianteira)</li> </ul>		
- E 5 Portas USB		
- RJ45		
Saídas:		
Solido HDMI (Tracciro)		
- Saida de audio Stereo Mini Jack		
- RJ45		
. Bluetooth, Wifi		
. Multi-Touch para pelo menos 40 touchpoints		
. Caneta Touch Passiva Tipo IV de 40 pontos		
Eunção de caneta dupla		
Compativel com Slot OPS		
Cabas de anorgia e controle romoto		
Mada da múltiplas innelas, divisão da tala a innelas.		
. Modo de multiplas janeias, divisão de tela e janeias		
multiplas, exibição e leitura de varias janeias ao mesmo		
tempo;		
. Aplicativos Inteligentes para salas de aula		
. Compartilhamento de telas compatível com windows		
. Garantia: mínimo 36 meses, <i>on site</i>		
Sem suporte		
<u></u>		
* Marca/Fabricante: SAMSUNC		
* Modeles WARD		
* Iviodelo: <u>vv AdoD</u>		
* Procedência: <u>Nacional</u>		

### CONDIÇÕES COMERCIAIS:

#### Validade da Proposta:

- Prazo de validade da proposta de 40 (quarenta) dias, a contar da data de sua apresentação.

#### Prazo de Entrega:

 Prazo de entrega dos produtos/materiais/serviços, objeto de cada Nota de Empenho, não poderá exceder 30 (trinta) dias úteis, a contar do envio do Empenho via e-mail e/ou fax.

### Local de Entrega:

- Setor de Autarquias Sul Q. 2 Bloco E Edifício Siderbrás - Asa Sul, Brasília - DF, CEP: 70070-906

## Prazo de Garantia:

 Prazo de Garantia, dos equipamentos ofertados, de 36 (trinta e seis) meses on site, obedecendo todos os prazos e condições estabelecidas no Edital e seus Anexos.

#### Assistência Técnica:

- Declaramos que durante o período da garantia dos equipamentos ofertados, os serviços de assistência técnica, de responsabilidade da empresa REPREMIG - REPRESENTAÇÃO E COMÉRCIO DE MINAS GERAIS LTDA, e será prestada pela Rede de Assistência Autorizada da SAMSUNG do Brasil, obedecendo todos os prazos e condições estabelecidas no Edital e seus Anexos.
- A REPREMIG disponibiliza meios para a comunicação, registro e acompanhamento dos Chamados técnicos, fornecendo número telefônico a ser utilizado e/ou endereço da página WEB na Internet.

#### Belo Horizonte / MG (MATRIZ) Rua Vicentina Coutinho Camargos n.º 275A, Bairro Álvaro Camargos Belo Horizonte/MG - CEP: 30.860-130



- Site da REPREMIG, para abertura de Chamados Técnicos: <u>www.repremig.com.br</u>;
- E-mail da REPREMIG para abertura de Chamados Técnicos: assistencia@repremig.com.br;
- Responsáveis Técnicos da REPREMIG: Carolina Miranda / Bianca Castro;
- Telefone da REPREMIG para Abertura de Chamados Técnicos: (31) 3047-4990.

## Declarações:

- Declaramos que estamos de pleno acordo com todas as condições estabelecidas no Edital e seus anexos, bem como aceitamos todas as obrigações e responsabilidades especificadas no Termo de Referência.
- Declaramos que nos valores propostos estarão inclusos todos os custos operacionais, encargos previdenciários, trabalhistas, tributários, comerciais e quaisquer outros que incidam direta ou indiretamente no fornecimento dos bens.

	~ /				
Razão Social	REPREMIG – REPRESENTAÇÃO E COMÉRCIO DE MINAS GERAIS LTDA				
CNPJ	65.149.197/0002-51				
Inscrição Estadual	083.614.25-7				
Endereço	Rodovia ES-010, n.º 4255 A, Sala 05, Chácara 274A, Bairro Jardim Limoeiro				
	CEP: 29.164-140, Serra/ES				
Telefone/Fax	(31) 3047-4990				
E-mail	leandro@repremig.com.br; leonardo@repremig.com.br				

# **DADOS DA EMPRESA:**

# DADOS DO REPRESENTANTE LEGAL PARA ASSINATURA DO CONTRATO:

Nome do Repres. Legal	Leandro Figueiredo de Castro
Estado Civil	Casado
Nacionalidade	Brasileiro
Profissão	Empresário
Cargo	Sócio Administrador
Identidade	MG-11.454.362-SSP/MG
CPF	013.371.746-10

# **DADOS BANCÁRIOS:**

Banco	BRADESCO S/A – 237
Agência	2485-6
Conta Corrente	46.308-6

Serra/ES, 02 de outubro de 2024



Atenciosamente,

REPREMIG-LTDA Leandro Figueiredo de Castro MG-11.454.362-SSP/MG – 013.371.746-10 Sócio-Administrador

65.149.197/0002-51 REPREMIG REPRESENTAÇÃO E COMÉRCIO DE MINAS GERAIS LIDA Rod. ES -010, nº4255 A - Sala 05 Chácara 274 A B. Jardim Limoeiro - CEP: 29.164-140 SERRA - ES .

**Belo Horizonte / MG (MATRIZ)** Rua Vicentina Coutinho Camargos n.º 275A, Bairro Álvaro Camargos Belo Horizonte/MG - CEP: 30.860-130



#### PROPOSTA COMERCIAL SELEÇÃO PÚBLICA № 102/2024

RAZÃO SOCIAL: Ajuste Service, Comércio, Representações e Serviços em Eletroeletrônicos e Informática LTDA. CNPJ: 26.863.778/0001-18 ENDEREÇO: Quadra 34 Lote 09 Sala 02 – Setor Leste (Gama) – Brasília / DF TELEFONE: (61) 3083-4451 | CELULAR: 61 9.8491-2611 E-MAIL: <u>manoel@ajusteservice.com.br</u>

À

Fundação de Empreendimentos Científicos e Tecnológicos - FINATEC

Prezados Senhores,

Declaramos que foram examinadas minuciosamente as especificações e condições do Edital e de seus anexos, em especial seu Anexo I - Termo de Referência – destinado à contratação de empresa especializada para fornecimento dos equipamentos informática.

Propomos, sob nossa integral responsabilidade, o fornecimento dos itens descritos no Termo de Referência – Anexo I desta Seleção Pública, pelos valores, descritos na planilha detalhada abaixo:

ITEM	ESPECIFICAÇÃO	MARCA	MODELO	QTD	VALOR UNITÁRIO	VALOR TOTAL
05 SUPORTE AJUSTAVE COM CON Marca: NOI Compatível TVs de tela de 55" - 8 (horizontal	PEDESTAL MOVEL ALTURA L (MOTORIZADO) - 55 A 85 - IROLE REMOTO - NB-TW85W RTH BAYOU   Cor: Branco com grande parte dos modelos de a sensível ao toque, LED ou LCD 5" com padrão de fixação VESA x vertical) 200x200 a 600x400 mm	North Bayou	NB-TW85W	02	R\$ 1.835,37	R\$ 3.670,74
Suporte per interativa de Pedestal de com Band Webcam. CAPACIDA :: Carga ma kg; Carga r Até 5 kg;06inferior: (Medida de monitor); A Máxima: 16 de altura a 200x200, 400x200, 600x400, 8 (HxV), m televisores	destal de piso para tela e 75 polegadas e Chão para TV AVA1800-70-1P leja Superior para Câmera / DE DE CARGA áxima do suporte para TV: Até 90 náxima sobre a bandeja superior: Carga máxima sobre a bandeja Até 5 kg. ALTURA o chão ao centro da base de Itura Mínima: 1350 mm; Altura 50 mm. * Intervalos de regulagem cada 50 mm. Compatível com TVs m o padrão de fixação VESA 200x300, 300x200, 300x300, 400x300, 400x400, 600x200, 00x200, 800x400 e 800x500 mm ormalmente encontrado em de 55 a 85 polegadas.	North Bayou	AVA1800-70- 1P	01	R\$ 1.818,64	R\$ 1.818,64
07 Suporte per interativa de 07 Pedestal de com Banco Webcam	destal de piso para tela e 75 polegadas e Chão para TV AVA1800-70-1P leja Superior para Câmera /	North Bayou	AVA1800-70-	01	R\$ 1.818,64	R\$ 1.818,64
61 99689-6375	www.ajusteservice.com.br	<b>V</b> -	Brasília - DF (	EP: 72	460-340	· · · · ·



	CAPACIDADE DE CARGA :: Carga máxima do suporte para TV: Até 90 kg; Carga máxima sobre a bandeja superior: Até 5 kg; Carga máxima sobre a bandeja inferior: Até 5 kg. ALTURA (Medida do chão ao centro da base de monitor); Altura Mínima: 1350 mm; Altura Máxima: 1650 mm. * Intervalos de regulagem de altura a cada 50 mm. Compatível com TVs que tenham o padrão de fixação VESA 200x200, 200x300, 300x200, 300x300, 400x200, 400x300, 400x400, 600x200, 600x400, 800x200, 800x400 e 800x500 mm (HxV), normalmente encontrado em televisores de 55 a 85 polegadas.					
08	Suporte articulado para TV 55 polegadas Suporte articulado ELG A02V6N 32" a 75" Vesa 600	ELG	A02V6N	01	R\$ 545,69	R\$ 545,69
09	Echo com Alexa (4ª Geração): Com som premium e hub Zigbee de casa inteligente - Cor Preta. Inclusos na caixa Echo (4ª geração), carregador de energia bivolt (30W) e Guia de início rápido.	AMAZON	Alexa 4ª Geração	01	R\$ 1.224,97	R\$ 1.224,97
τοτλι	P¢ 0.079.69 (Novo mil. cotonto o oito rogio o	cocconto o	oito contovos)			

• Validade da Proposta: 30 dias.

Inscrição no CNPJ: 26.863.778/0001

AJUSTE SERVICE COM. E REP. E SERV. DE

ELETROELETRÓNICOS E INFORMÁTICA LTDA

Qd. 34 Lote 09 Sala 02

Gama - CEP: 72.460-340

Brasilia-DF

- Prazo de Entrega: Até 30 dias após a emissão da AF, conforme edital 5.1
- Condições de Pagamento: conforme o Edital.
- Da Garantia: 12 meses, conforme Edital 6.1
- Dados bancários: Banco SICREDI nº 748, Agência: 3953, Conta Corrente nº 46974-2.
- Declaramos que nos preços ofertados estão incluídas todas as despesas, tributos e demais encargos de qualquer natureza incidentes sobre o fornecimento dos equipamentos, nada mais podendo ser cobrado da FINATEC.

Gama-DF, 02 de outubro de 2024.

Assinado de forma digital MANOEL por MANOEL SANTANA SANTANA DA DA CONCEICAO:7897246914 CONCEICAO:7 9 Dados: 2024.10.02 8972469149 08:58:14 -03'00' MANOEL SANTANA DA CONCEIÇÃO. Gerente Comercial.

RG: 1.544.924 DF. CPF: 789.724.691-49

CNPJ: 26.863.778/0001-18 CF/DF 07.972.452/001-07

61 3083-445161 99689-6375

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Quadra 34, lote 09, sala 02 Setor Leste (Gama) - Brasília - DF CEP: 72.460-340