

MAXHUB

MAXHUB CMA Series Product Presentation

Model: NDxxCMA, NDxxCMA-T





1. Market Analysis

2. Product Overview

3. Competitor Analysis

4. Use Scenario & Solution

Market Analysis | Commercial Display Global Market Size

PRECEDENCE
RESEARCH

COMMERCIAL DISPLAY MARKET SIZE, 2020 TO 2030 (USD BILLION)



Digital Signage Market

trends by region

GRAND VIEW RESEARCH

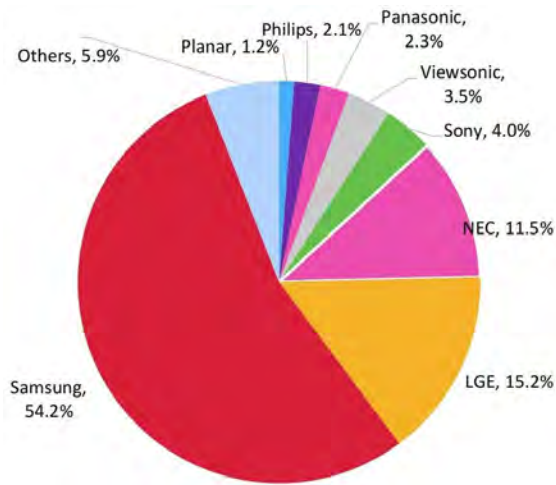


- Global commercial display market size in 2022 was estimated at US\$45.8 billion.
- 2020-2030 CAGR rate of 5.8%, the overall market size in 2030 will exceed 72.2 billion US dollars.

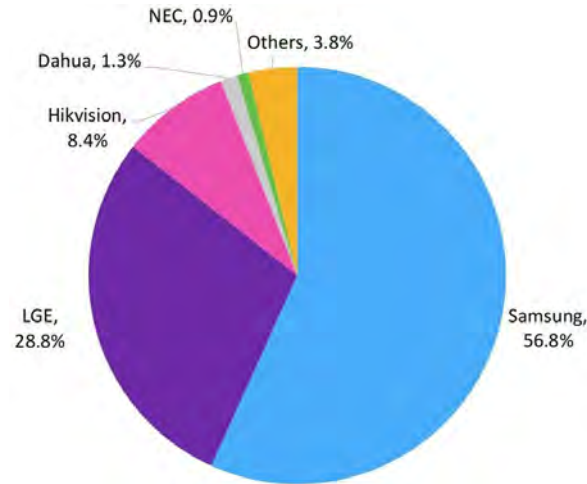
- North America to be the dominant market in 2022 with a revenue share of over 34%. Europe market shared 20%.
- Asia-Pacific is expected region to be the fastest growing regional market during the forecast period.

- Head manufacturers such as Samsung and LG are mainly pushing the size of more than 75" commercial grade TVs. 75" are expected to be achieved the highest annual growth rate in the next 5 years.

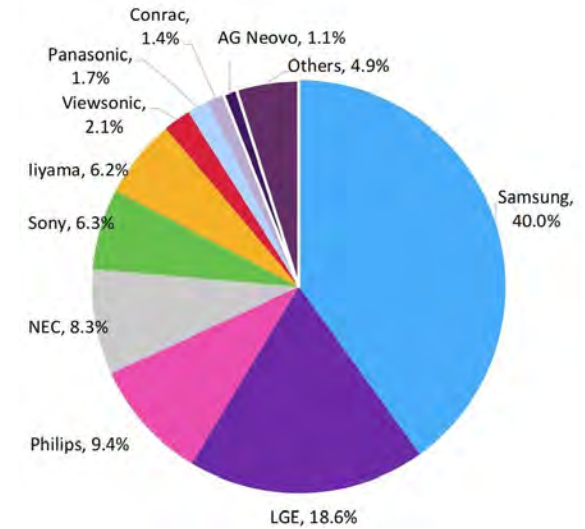
Market Analysis | Commercial Display Market Share



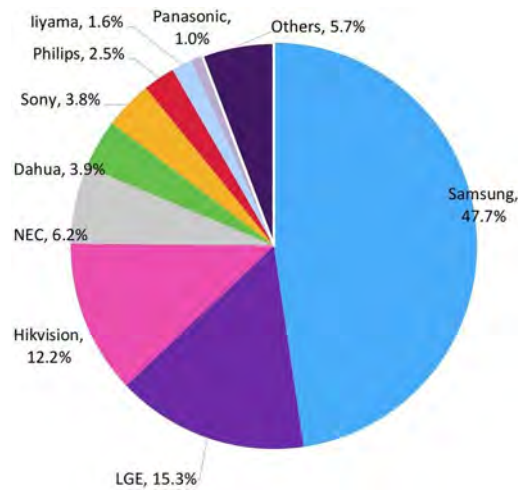
North-America



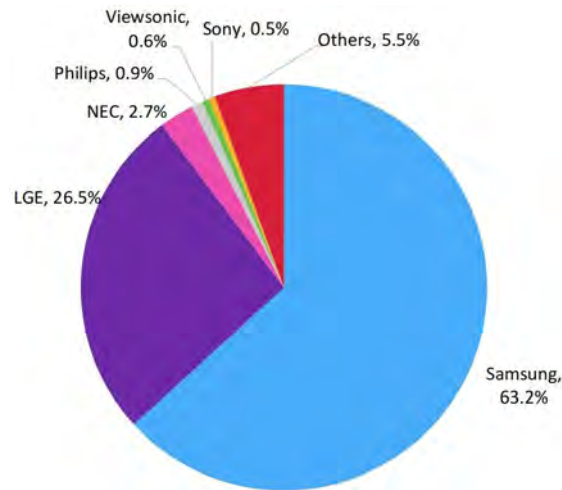
Latin America & the Caribbean



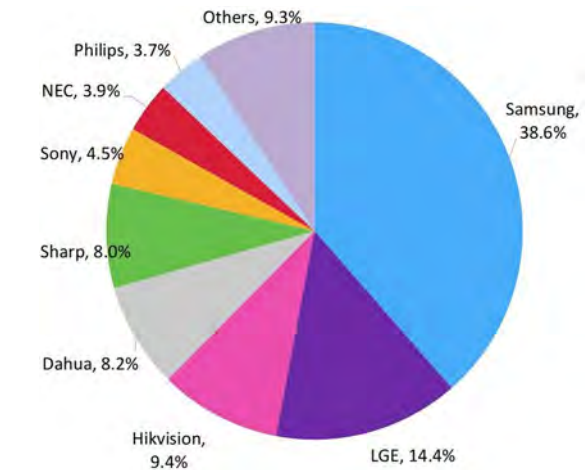
Western Europe



Eastern Europe



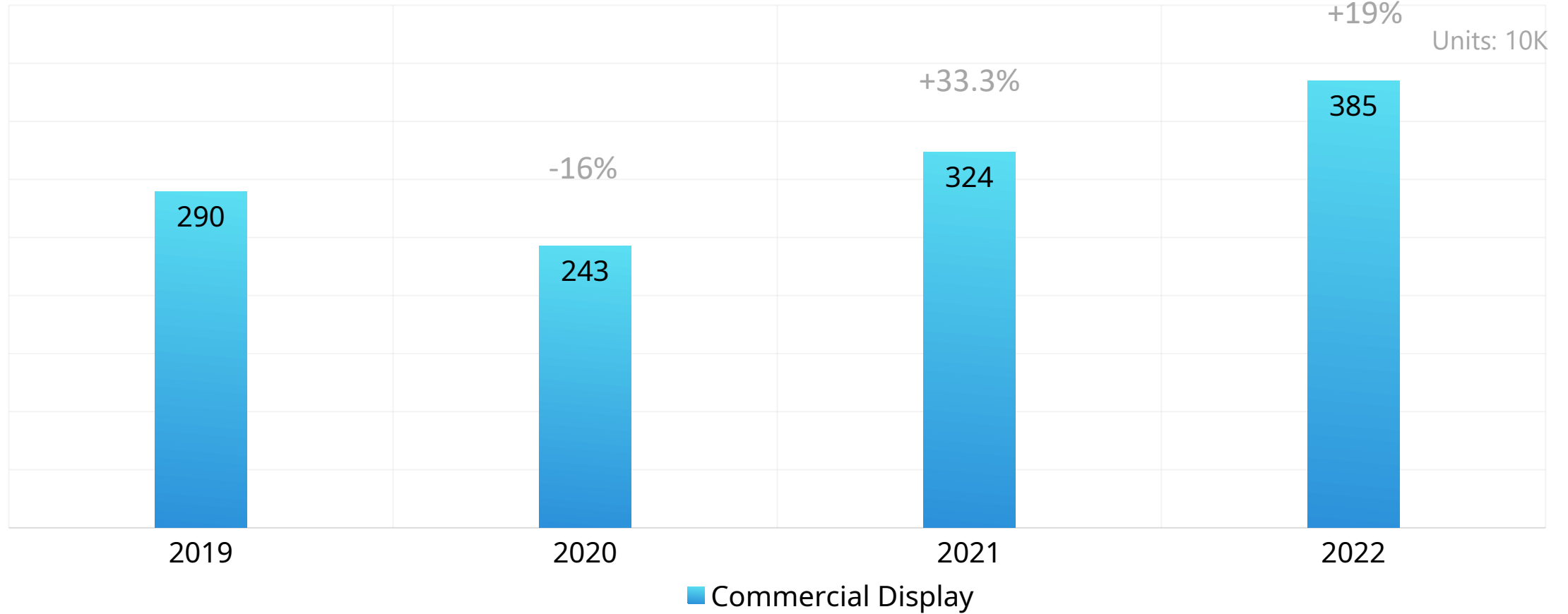
Middle East & Africa



Asia & Oceania

Market Analysis | Commercial Display Shipment Trend

2019-2022 Commercial Display Shipment Trend



* The annual sales volume only includes sales data of these key sizes: 43"/50"/55"/65"/75"/85"(86")/98"

* In 2022 shipment, 65" accounted for 22% of shipment, 75" accounted for 25%, 85"(86") accounted for 19% , and 55" accounted for 33%.

A decorative graphic on the left side of the slide, consisting of several concentric, rounded rectangular outlines that create a tunnel-like effect, receding into the distance.

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What's New?

Product Portfolio

- **CMA Series:** 4K commercial display, equipped with non-glare technology and conformal coating, ideal for meeting rooms and commercial settings.
- **CMA-T Series:** An exceptional display with [high brightness](#) and [24/7 continuous operation](#), the perfect choice for a wide range of commercial environments.

Improvement over PNA/PNC

- Long time operation
- High brightness level
- Life time(50%): 30000 hours → 50000 hours
- Support portrait mode
- RAM: 3G → 4G
- Android 8.0 → Android 11.0
- Full function USB-C (Power/Network/Share)
- USB Type-A 3.0
- Wi-Fi 6 Support
- Dual Wi-Fi (Wi-Fi & Hotspot)
- Speaker: 2×8W → 2×10W
- Energy Star / ErP
- CMS Platform Certified

Specification	Parameters	MAXHUB CMA-T	MAXHUB CMA	MAXHUB PNC	MAXHUB PNA
Display	Screen Size	55/65/75	43/55/65/75/86	43/55	65/75/86/98
	Resolution	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)
	Brightness	800 nits	500 nits	350 nits	350 nits
	Panel	VA, DLED, 6.5ms	VA/IPS	VA, 8ms	IPS, 8ms
	Haze	25%	25%	25%	28%
	Life Time (Min)	>50000 Hours	>50000 Hours	>30000 Hours	>30000 Hours
	Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz
	Color Gamut	72% NTSC	72% NTSC	72% NTSC	72% NTSC
	Contrast Ratio	6000:1 (Typ) 1,000,000:1 (Dynamic)	5000:1 (Typ) 1,000,000:1 (Dynamic)	1,200:1 (Typ)	1,200:1 (Typ)
	Operation Hours	24 / 7	24/7	16 / 7	16 / 7
Hardware	Orientation	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Landscape
	CPU	A55×4 2.0GHz	A55×4 2.0GHz	A73×2+A53×2	A73×2+A53×2
	GPU	Mali-G52×2	Mali-G52×2	Mali-G51×2	Mali-G51×2
	RAM	4GB	4GB	3GB	3GB
	ROM	32GB	32GB	32GB	32GB
Peripheral	System	Android 11.0	Android 11.0	Android 8.0	Android 8.0
	Speaker	2×16W	2×16W	2×8W	2×8W
	Wi-Fi	Wi-Fi 6	Wi-Fi 6	Wi-Fi 5	Wi-Fi 5
	HDMI/DP Ports	IN×3, OUT×1	IN×3, OUT×1	IN×2, OUT×1	IN×2, OUT×1
	USB Ports	2.0×1, 3.0×1, USB-C×1	2.0×1, 3.0×1, USB-C×1	2.0×2	2.0×2
Certifications	Control Ports	RS232×1, RJ45×2	RS232×1, RJ45×2	RS232×1, RJ45×1	RS232×1, RJ45×1
	Power Saving	Energy Star Erp	Energy Star Erp	/	/

*SPEC is based on 55 or 65 inch model

Feature Highlights | Superior Visual Performance

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4K resolution 10-Bit color

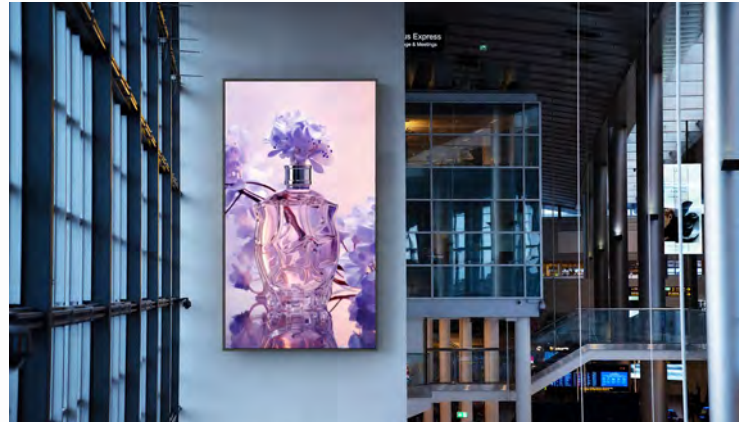
25% Haze Anti-Glare

500/800 nits Brightness



Anti-Glare, Crystal Clear

- Increased level of haze visibility improves readability.
- Up to 800 nits brightness.



Seamless Operation

- CMA-T offering 24/7 and CMA providing 18/7 long operation, deliver consistent and reliable performance



Energy Saving

- Energy-star and Erp certification helps protect the environment and save costs.



Minimum 9.9mm Bezel



Conformal coating



Full-function USB Type-C



Slim Bezel

- The ultra-slim bezels, as thin as 9.9mm*, provide a immersive viewing experience.
- Long-lasting stability with the robust metal frame, ensuring a premium look over time.

*43~55 inch: 9.9mm, 65~86 inch: 15.9mm, 98 inch: 26mm

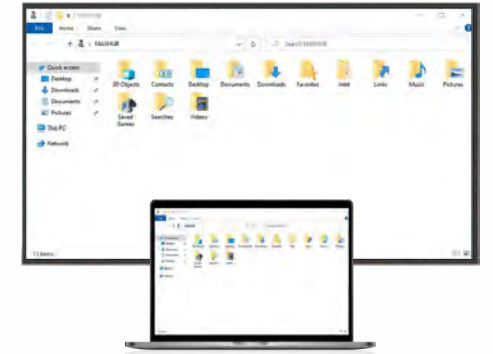
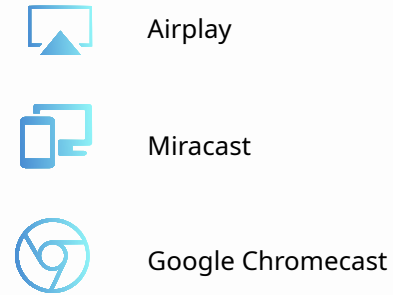
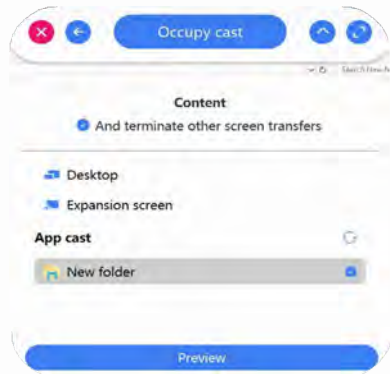


Business Design

- Conformal coating reduces the risk of damage from salt, dust, and humidity.
- Multi-ports, full-function USB-C, support audio, video, network, screen share and 65W PD.
- IP5X-rated dustproof design.

Feature Highlights | Built-in Smart System

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Privacy protection

- Desktop
- Expansion Screen
- App Cast

Multi-Screen Projection

- Maximum 4 devices simultaneously
- MAC/Windows/Android devices
- MAXHUB Share/Wireless Dongle

Third-party Protocol

- Airplay
- Google Chromecast
- Miracast (Coming soon)

Windows Compatibility

- Built-in Android 11 system
- OPS module optional*
- Dual system operation

*Windows system optional, OPS module compatible with 65~98 inch.



Initiate Your Own Meeting

- Embrace drive-free efficiency enabled by MAXHUB BYOM (Bring Your Own Meeting) technology by simply connecting your personal computer to MAXHUB CMA series.

*BYOM function in testing, coming soon.



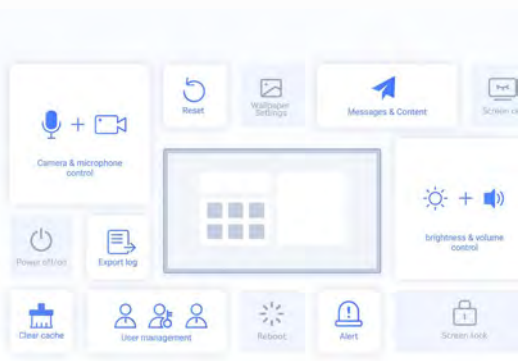
MAXHUB Ecosystem

- Seamlessly integrate with the MAXHUB ecosystem, expanding your display's capabilities with other audio and video peripherals.

Feature Highlights | One-Stop Unified Management

MAXHUB

MAXHUB Pivot



Deep Management

· offers a variety of advanced features such as factory reset, cache clear, and log export.



Configure New Devices

· IT admins can remotely and quickly set up and deploy a large number of new devices.



Firmware updates

· Quickly update the firmware of the CMA series to keep it up-to-date, secure, and stable.

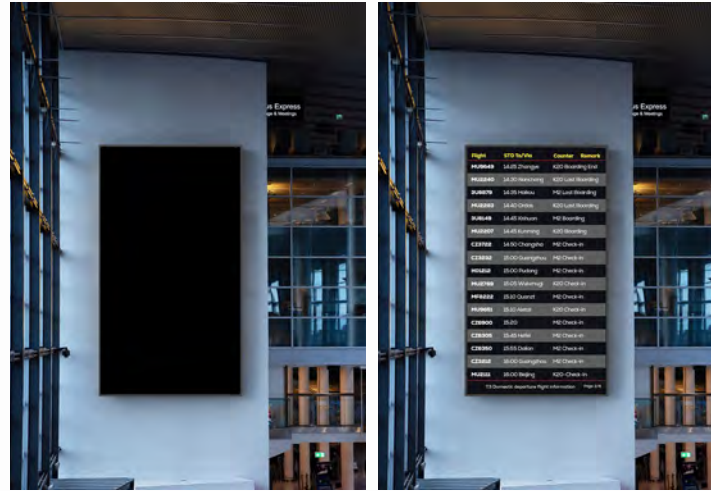


Application Management

· Remotely install, uninstall, enable, and disable applications on multiple display devices with the web console

Feature Highlights | Versatile Control

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Central Control System

- Integration with leading control systems such as Extron, Crestron, and Q-SYS*, supporting RJ45/RS232 API control.

*Crestron and Q-SYS in testing

Advanced Display Functionality

- HDMI Sync (Wake-on-sync).
- Failed-signal auto switch.
- Start-up in signage URL.

CMS Compatibility

- Providing the seamless integration and streamlined content management.



Extended Life Span

- Offer an exceptional life span of over 100,000 hours, ensuring a reliable and long-lasting commercial display solution.



Three Years Swap

- MAXHUB provides Commercial Display with a hassle-free 3-year warranty.



Leader in TV mainboard

- One in every 3 TVs globally uses our TV mainboard.
- Over 67 million pieces sold globally a year.

Feature Highlights | Why MAXHUB

MAXHUB

Superb Display

- 4K UHD resolution and high brightness guarantee graphic accuracy of every detail.
- Clear view with Non-glare coating, by increasing the level of haze, enhances visibility and text readability under brightly lit conditions.

Design for Business

- Conformal coating reduces the risks from salt, dust and humidity
- Sleek designs for large screens, support multiple options of connectivity
- Full function USB-C supports screen share, network share and 65W power out

Wireless Sharing

- MAXHUB Share offers you the ability of access and privacy management while screen sharing, up to 4 devices simultaneously.
- MAXHUB Share is compatible with Windows, iOS and Android to boost your success.
- Dual Wi-Fi support Wi-Fi 6 & hotspot at the same time, CMA series operates as a virtual router which can be a wireless access point for mobile devices.

Third-Party Compatibility

- Integration with leading control systems such as Extron, Crestron, and Q-SYS.
- Compatible with a wide range of CMS software, providing the streamlined content management ability.

Remote Management
















- MAXHUB Pivot allow IT manager to manage devices remotely, from setting to content display, make sure everything under control.

Trustworthy Solutions

- Offer an exceptional life span of over 100,000 hours.
- MAXHUB provides Commercial Display with a hassle-free three-year warranty.
- Energy-star and Erp certification helps protect the environment and save costs.







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 4. Use Scenario & Solution

Competing Product Lay out

	MAXHUB	LG	Samsung	iiyama	Hisense	
<p>Premium 700 nits 7×24H</p>	<p>CMA-T Series</p> <ul style="list-style-type: none"> 55/65/75 800 nits 7×24H 25% Haze 4GB+32GB 2×16W Speaker Android 11 	<p>UH7 Series</p> <ul style="list-style-type: none"> 43/49/55/65 700 nits 7×24H 28% Haze 16GB 2×10W Speaker webOS6.0 	<p>QHB Series</p> <ul style="list-style-type: none"> 43/50/55/65/75 700 nits 7×24H 44% Haze 16GB Tizen 6.5 	<p><i>*UHSB-B1 Series new listed</i></p> <p>UHSB-B1 Series</p> <ul style="list-style-type: none"> 43/50/55/65/75/86 800 nits 7×24H 1% Haze 4GB+32GB 2×10W Speaker Android 11 		
	<p>Mid-End 500 nits 7×16/24H</p>		<p>UH5/UM5N Series</p> <ul style="list-style-type: none"> 43/49/55/65/75/86/98 500 nits 7×24H 28% Haze 16GB 2×10W Speaker webOS6.0 	<p><i>*QMC Series new listed</i></p> <p>QMC/QMB Series</p> <ul style="list-style-type: none"> 43/49/55/65/75/85 500 nits 7×24H 25%/44% Haze 16GB Tizen 7.0 	<p>UHS-B1AG Series</p> <ul style="list-style-type: none"> 43/50/55/65/75/86/98 500 nits 7×24H 25% Haze 4GB+32GB Android 11 	<p><i>*DM Series new listed</i></p> <p>DM66D/BM66AE Series</p> <ul style="list-style-type: none"> 32/43/50/55/65/75/86/100 500 nits 7×24H 25%/1% Haze Dual Speaker Android 
		<p>CMA Series</p> <ul style="list-style-type: none"> 43/55/65/75/86/98 500 nits 7×24H 25% Haze 4GB+32GB 2×16W Speaker Android 11 	<p>UM5K/UM5J Series</p> <ul style="list-style-type: none"> 98/100 500 nits 7×16H 3%/25% Haze 16GB 2×10W Speaker webOS6.0 		<p>UHS-B3 Series</p> <ul style="list-style-type: none"> 50/55/65/75 500 nits 7×18H 25% Haze 3GB+32GB Android 8 	<p><i>*GM Series new listed</i></p> <p>GM50D Series</p> <ul style="list-style-type: none"> 43/50/55/65/75/86 500 nits 7×18H 25% Haze Dual Speaker Android 11 
<p>Cost-effective 350 nits 7×16H</p>		<p>UL3J/UR640S Series</p> <ul style="list-style-type: none"> 43/50/55/65/75/86 300-400 nits 7×16H 1%/3% Haze 8GB 2×10W Speaker webOS6.0 	<p><i>*QBT 98" supports 7×24H</i></p> <p>QBB/QBR/QET Series</p> <ul style="list-style-type: none"> 43/50/55/65/70/75/82/85 300-350 nits 7×16H 2%/25% Haze 8GB Tizen 6.5 		<p>GM60AE/B4E31T Series</p> <ul style="list-style-type: none"> 43/55/65/75/86 500 nits 7×18H 1% Haze Dual Speaker Android 8/9 	

CMA-T Competitive Analysis | LG

MAXHUB





Specification	Parameters	MAXHUB CMA-T	LG UH7N-E	LG UH7J-H	LG UH5N-E	LG UM5N-H	LG UH5J-H
							
Display	Screen Size	55/65/75	43/49/55/65	43/49/55/65	43/49/55/65	43/49/55/65	43/49/55/65/75/86/98
	Resolution	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)
	Brightness	800 nits	700 nits	700 nits	500 nits	500 nits	500 nits
	Panel	VA, DLED, 6.5ms	IPS, ELED, 8ms	IPS, ELED, 8ms	IPS, ELED, 8ms	IPS, DLED, 8ms	IPS, ELED, 8ms
	Haze	Anti-glare, 25%	28%	28%	28%	28%	28%
	Life Time (Min)	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours
	Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Color Gamut	72% NTSC	BT709 95%	BT709 95%	BT709 95%	BT709 95%	BT709 95%
	Contrast Ratio	6000:1 (Typ) 1,000,000:1 (Dynamic)	1,100:1 (Typ) 1,000,000:1 (Dynamic)	1,100:1 (Typ) 1,000,000:1 (Dynamic)	1,200:1 (Typ) 1,000,000:1 (Dynamic)	1,100:1 (Typ) 1,000,000:1 (Dynamic)	1,100:1 (Typ) 1,000,000:1 (Dynamic)
	Operation Hours	24 / 7	24 / 7	24 / 7	24 / 7	24 / 7	24 / 7
Orientation	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	
Hardware	CPU	A55×4 2.0GHz	-	-	-	-	A53×4 1.1GHz
	GPU	Mali-G52×2	-	-	-	-	T820 MP2
	RAM	4GB	-	-	-	-	2GB
	ROM	32GB	16GB	16GB	16GB	16GB	16GB
	System	Android 11.0	webOS6.0	webOS6.0	webOS6.0	webOS6.0	webOS6.0
Peripheral	Speaker	2×16W	2×10W	Yes	Yes	Yes	2×10W
	Wi-Fi	Wi-Fi 6		Yes	Yes	Yes	Yes
	HDMI/DP Ports	IN×3, OUT×1	IN×2, DP×2	IN×2, OUT×1, DP×2	IN×3, OUT×1, DP×1	IN×3, OUT×1, DP×1	IN×3, OUT×1, DP×1
	USB Ports	2.0×1, 3.0×1, USB-C×1	2.0×1	2.0×1, USB-C×1 (no PD)	2.0×1	2.0×1	2.0×1
	Control Ports	RS232×1, RJ45×2	RS232C×2, RJ45×1, IR×1	RS232C×2, RJ45×1, IR×1	RS232C×2, RJ45×1, IR×1	RS232C×1, RJ45×1, IR×1	RS232C×2, RJ45×1, IR×1
Certifications	Power Saving	Energy Star Erp	Energy Star Erp	Erp	Energy Star Erp	Energy Star Erp	Erp

*SPEC is based on 65 inch model

Why MAXHUB

- **800 nits high brightness level**
- **VA Panel, faster response time**
- **Dynamic color, 6000:1 contrast ratio**
- **Smooth multitask, 4GB/32GB**
- **Peak power, quad-core processor**
- **Full function USB-C, 65W PD**
- **OPS slot, windows optional**
- **Wi-Fi 6, faster connectivity**
- **Latest Android 11 system**
- **Energy Star and Erp Certifications**

CMA-T Competitive Analysis | Samsung






Specification	Parameters	MAXHUB CMA-T	Samsung QHB	Samsung QMC	Samsung QMB
					
Display	Screen Size	55/65/75	43/50/55/65/75	43/49/55/65/75/85	43/50/55/65/75
	Resolution	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)
	Brightness	800 nits	700 nits	500 nits	500 nits
	Panel	VA, DLED, 6.5ms	VA, 8ms	VA/IPS, 8ms	VA, 8ms
	Haze	Anti-glare, 25%	44%	25%	44%
	Life Time (Min)	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours
	Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz
	Color Gamut	72% NTSC	72% NTSC	72% NTSC	72% NTSC
	Contrast Ratio	6000:1 (Typ) 1,000,000:1 (Dynamic)	4,000:1 (Typ)	4,000:1 (Typ)	4,000:1 (Typ)
	Operation Hours	24 / 7	24 / 7	24 / 7	24 / 7
	Orientation	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape
Hardware	CPU	A55×4 2.0GHz	-	CA73×4 1.6GHz	-
	GPU	Mali-G52×2	-	-	-
	RAM	4GB	-	-	-
	ROM	32GB	16GB	16GB	16GB
	System	Android 11.0	Tizen 6.5	Tizen 7.0	Tizen 6.5
Peripheral	Speaker	2×16W	Yes	Yes	Yes
	Wi-Fi	Wi-Fi 6	Yes	Yes	Yes
	HDMI/DP Ports	IN×3, OUT×1	IN×3, DP×1	IN×3, DP×1	IN×3, DP×1
	USB Ports	2.0×1, 3.0×1, USB-C×1	2.0×2	2.0×2	2.0×2
	Control Ports	RS232×1, RJ45×2	RS232×2, RJ45×1, IR×1	RS232×2, RJ45×1, IR×1	RS232×2, RJ45×1, IR×1
Certifications	Power Saving	Energy Star Erp	/	Energy Star	/

Why MAXHUB

- **800 nits high brightness level**
- **VA Panel, faster response time**
- **Dynamic color, 6000:1 contrast ratio**
- **Smooth multitask, 4GB/32GB**
- **Peak power, quad-core processor**
- **Full function USB-C, 65W PD**
- **OPS slot, windows optional**
- **Wi-Fi 6, faster connectivity**
- **Latest Android 11 system**
- **Energy Star and Erp Certifications**

*SPEC is based on 65 inch model

CMA-T Competitive Analysis | iiyama/NEC

Specification	Parameters	MAXHUB CMA-T	ProLite UHSB-B1	ProLite UHB-B1	ProLite UHS-B1AG	NEC P Series
						
Display	Screen Size	55/65/75	43/50/55/65/75/86	43/50/55/65	43/50/55/65/75/86/98	43/50/55
	Resolution	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)
	Brightness	800 nits	800 nits	700 nits	500 nits	700 nits
	Panel	VA, DLED, 6.5ms	IPS, 8ms	VA, 8ms	IPS, 8ms	IPS, 8ms
	Haze	Anti-glare, 25%	1%	2%	25%	28%
	Life Time (Min)	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours
	Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Color Gamut	72% NTSC	72% NTSC	72% NTSC	72% NTSC	86% of DCI
	Contrast Ratio	6000:1 (Typ) 1,000,000:1 (Dynamic)	1,200:1 (Typ)	4,000:1 (Typ)	1,200:1 (Typ)	8,000:1 (Typ)
	Operation Hours	24 / 7	24 / 7	24 / 7	24 / 7	24 / 7
Orientation	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	
Hardware	CPU	A55×4 2.0GHz	A73×4+A53×4	A53×4 1.5GHz	A73×4+A53×4	-
	GPU	Mali-G52×2	G52 MP8	G51 MP2	G52 MP8	-
	RAM	4GB	4GB	3GB	4GB	-
	ROM	32GB	32GB	32GB	32GB	-
	System	Android 11.0	Android 11.0	Android 9.0	Android 11.0	-
Peripheral	Speaker	2×16W	2×10W	2×10W	Yes	2×10W
	Wi-Fi	Wi-Fi 6	Yes	Yes	Yes	Yes
	HDMI/DP Ports	IN×3, OUT×1	IN×2, DP×1	IN×2	IN×3, DP×2	IN×2, OUT×1, DP×2
	USB Ports	2.0×1, 3.0×1, USB-C×1	2.0×2	2.0×1	2.0×1	2.0×3
	Control Ports	RS232×1, RJ45×2	RS232C×2, RJ45×1	RS232C×1, RJ45×1, IR×1	RS232C×1, RJ45×1, IR×1	RS232×1, RJ45×1, Remote×1
Certifications	Power Saving	Energy Star Erp	Erp	Erp	Erp	Energy Star







*SPEC is based on 55 or 65 inch model

Why MAXHUB

- 800 nits high brightness level
- VA Panel, faster response time
- Anti-glare, comfortable viewing
- Dynamic color, 6000:1 contrast ratio
- Smooth multitask, 4GB/32GB
- Full function USB-C, 65W PD
- OPS slot, windows optional
- Wi-Fi 6, faster connectivity
- Energy Star and Erp Certifications

CMA-T Competitive Analysis | HikVision/Hisense

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Specification	Parameters	MAXHUB CMA-T	HikVision UH Series	HikVision UN Series	Hisense DM66D	Hisense BM66AE	Hisense GM50D
							
Display	Screen Size	55/65/75	43/55	43/55/65/75/86	32/43/50/55/65/75/86	32/43/49/55/86/100	43/50/55/65/75/86
	Resolution	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)	3840(H)×2160(V)
	Brightness	800 nits	700 nits	500 nits	500 nits	500 nits	500 nits
	Panel	VA, DLED, 6.5ms	VA, DLED, 8ms	IPS, DLED, 8ms	ADS, 8ms	IPS, ELED, 8ms	VA, 8ms
	Haze	Anti-glare , 25%	25%	25%	25%	1%	25%
	Life Time (Min)	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours	>50000 Hours
	Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Color Gamut	72% NTSC	72% NTSC	72% NTSC	72% NTSC	72% NTSC	DCI-P3 92%
	Contrast Ratio	6000:1 (Typ) 1,000,000:1 (Dynamic)	5,000:1 (Typ)	1,200:1 (Typ)	1,200:1 (Typ)	1,100:1 (Typ)	1,200:1 (Typ)
	Operation Hours	24 / 7	24 / 7	24 / 7	24 / 7	24 / 7	18 / 7
Orientation	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	Portrait/Landscape	
Hardware	CPU	A55×4 2.0GHz	A73×2+A53×2 1.7GHz	A73×2+A53×2 1.7GHz	A55×4	A73×2	A55×4
	GPU	Mali-G52×2	-	-	Mali-G52×2	Mali-450	Mali-G52
	RAM	4GB	3GB	3GB	3GB	2GB	3GB
	ROM	32GB	32GB	32GB	32GB	16GB	32GB
	System	Android 11.0	Android 8.0	Android 8.0	Android 11.0	Android 9.0	Android 11.0
Peripheral	Speaker	2×16W	2×10W	2×10W	2×10W	2×9W	2×10W
	Wi-Fi/BT	Wi-Fi 6, BT5.2	Yes	Yes	Wi-Fi 5	Yes	Wi-Fi 5, BT5.1
	HDMI/DP Ports	IN×3, OUT×1	IN×2, DP×2	IN×2, DP×2	IN×2, OUT×1, DP×1	IN×2, DP×1	IN×2, OUT×1, DP×1
	USB Ports	2.0×1, 3.0×1, USB-C×1	2.0×2	2.0×2	2.0×1, 3.0×1	2.0×1	2.0×1, 3.0×1
	Control Ports	RS232×1, RJ45×2	RJ45×1	RJ45×1	RS232×2, RJ45×1	RS232×2, RJ45×1	RS232×1, RJ45×2
Certifications	Power Saving	Energy Star Erp	/	/	Energy Star	Erp	Energy Star Erp

Why MAXHUB

- **800 nits high brightness level**
- **VA Panel, faster response time**
- **Dynamic color, 6000:1 contrast ratio**
- **Smooth multitask, 4GB/32GB**
- **Peak power, quad-core processor**
- **Full function USB-C, 65W PD**
- **OPS slot, windows optional**
- **Wi-Fi 6, faster connectivity**
- **Latest Android 11 system**
- **Energy Star and Erp Certifications**

*SPEC is based on 55 or 65 inch model

CMA Competitive Analysis | LG/Samsung List 2-1

Items	MAXHUB NDxxCMA	LG UL3J-E	LG UR640S	Samsung QET	Samsung QBB
Panel					
Screen Size	43"/55"/65"/75"/86"/98"	43"/50"/55"/65"/75"/86"	43"/50"/55"/65"/75"/86"	43"/50"/55"/65"/75"/86"	43"/50"/55"/65"/75"
Resolution	3840(H)x2160(V)	3840(H)x2160(V)	3840(H)x2160(V)	3840(H)x2160(V)	3840(H)x2160(V)
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Brightness	500 nit	330 nit	330 nit, 400nit(50"/55"/65")	300 nit	350 nit
Haze	Anti-Glare, Haze 25%	Haze 1%	Haze 3%	Haze 2%	Anti-Glare, Haze 2%
Life Time (Min.)	≥50000 Hours	≥30,000 Hours	≥30,000 Hours	≥30,000 Hours	≥30,000 Hours
Refresh Rate	60Hz	60Hz	60Hz 86"(120Hz)	60Hz	60Hz
Color Gamut	NTSC 72%	80% DCI-P3	80% DCI-P3	NTSC 72%	92% DCI-P3
Backlight Type	DLED	DLED	DLED	DLED	
Contrast Ratio	1200:1 (43"/55"-5000:1) 1,000,000:1 (Dynamic)	1200:1	1200:1	4000:1	4000:1
Operation Hours(Hours /Day)	24/7	16/7	16/7	16/7	16/7
Orientation	Portrait/Landscape	Portrait/Landscape	Landscape	Portrait/Landscape	Portrait/Landscape
Hardare					
CPU	A55*4	/	/	A72*4	A72*4
GPU	Mali-G52×2	/	/	Mali-G52×2	Mali-G52×2
RAM	4G	2G	2G	2G	2G
ROM	32G	8G	8G	8G	8G
Operating System	Android 11.0	webOS™ 6.0	webOS™ 6.0	Tizen 4.0	Tizen 6.5

*SPEC is based on 65 inch model

Why MAXHUB

- 500 nits high brightness level
- Dynamic color, 5000:1 contrast ratio
- Smooth multitask, 4GB/32GB
- Peak power, quad-core processor
- Full function USB-C, 65W PD
- OPS slot, windows optional
- Wi-Fi 6, faster connectivity
- Latest Android 11 system
- Energy Star and Erp Certifications

CMA Competitive Analysis | LG/Samsung List 2-2

Items	MAXHUB NDxxCMA	LG UL3J-E	LG UR640S	Samsung QET	Samsung QBB
Connetivity					
Input	HDMI in 2.1x3 USB Type-Cx1 USB Type-A 3.0x1 USB Type-A 2.0x1 Audio in x1 RJ45 IN x1	HDMI 1.4 In x3 USB 2.0 Type-A x2 RJ45 IN x1	HDMI 2.0 In x3 USB 2.0 Type-A x1 RJ45 x1	HDMI in 2.0 x2 USB 2.0 Type-A x1 Audio in x1 RJ45 IN x1	HDMI In 2.0 x3 USB 2.0 Type-A x1 RJ45 IN x1
Output	HDMI out 2.0 x1 Audio out x1(3.5mini jack) RJ45 out x1	Audio Out x1 (3.5mini jack)	Audio Out x1 (3.5mini jack) Optical Digital Audio Outx1	Audio Out x1 (3.5mini jack)	Audio Out x1 (3.5mini jack)
External control	RS232	RS-232C	RS-232C	RS232C	RS232
Wifi	Wifi 6 support 2.4G&5G 802.11ac/b/g/n/a/ax	Wifi 5 support 802.11ac	Wifi 5 support 802.11ac	/	Wifi 5 support 802.11ac
Wireless hotpost	support	support	support	/	support
Bluetooth	No	No	Yes	No	Yes
Audio & Video					
Speaker power output	2x16W	2x10W	2x10W	2x10W	2x10W
Camera	No	No	No	No	No
Microphone	No	No	No	No	No
Cetification					
Energy Star	Yes	Yes	Yes	Yes	Yes
Erp	Yes	/	/	/	/

Why MAXHUB

- 500 nits high brightness level
- Dynamic color, 5000:1 contrast ratio
- Smooth multitask, 4GB/32GB
- Peak power, quad-core processor
- Full function USB-C, 65W PD
- OPS slot, windows optional
- Wi-Fi 6, faster connectivity
- Latest Android 11 system
- Energy Star and Erp Certifications

*SPEC is based on 65 inch model

- 
1. Market Analysis
 2. Product Overview
 3. Competitor Analysis
 - 4. Use Scenario & Solution**

Use Scenario | Meeting Room

MAXHUB

Board Room



Teams/Zoom Room



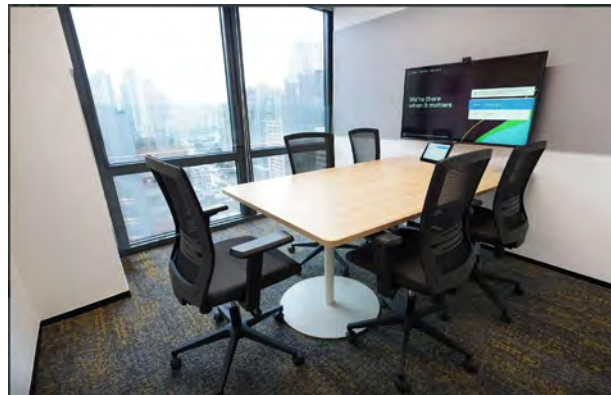
Medium-Sized Room



Huddle Room



Small Meeting Room(V)



Small Meeting Room(H)



Use Scenario | Public Space

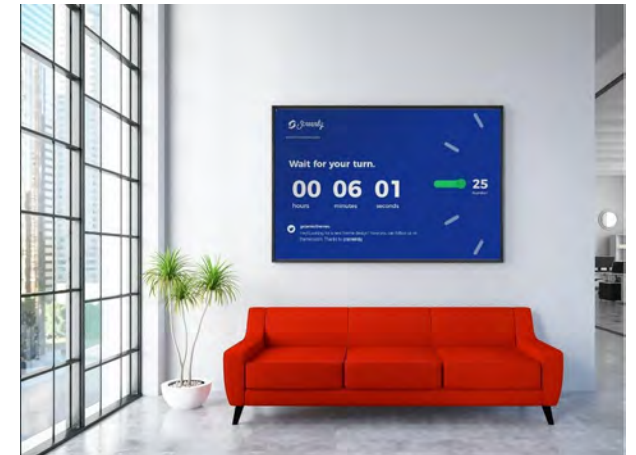
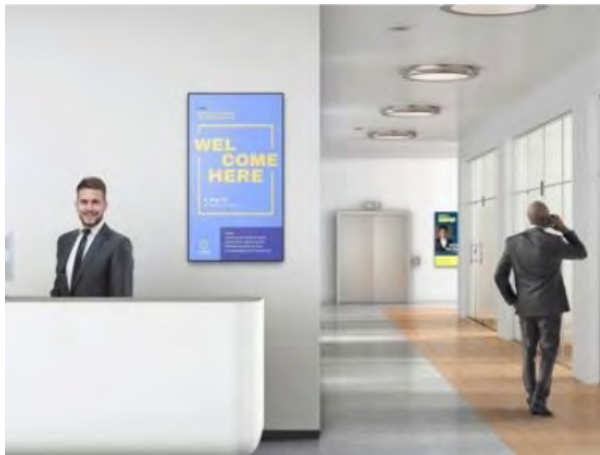
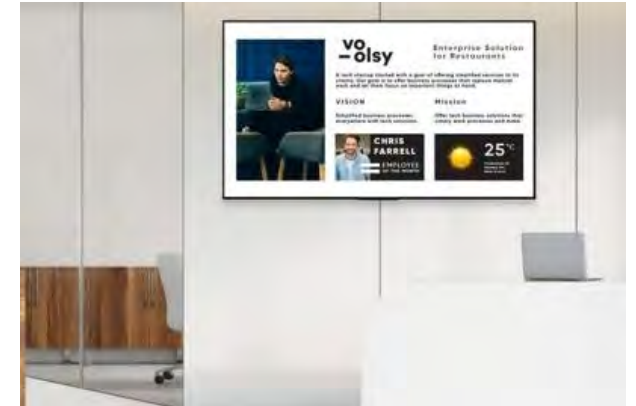
Reception



Resturant / Cafe



Lobby



Use Case Solution | Microsoft Teams Rooms

MAXHUB

Transform BYOD scenario into smart meeting spaces



Case Solutions

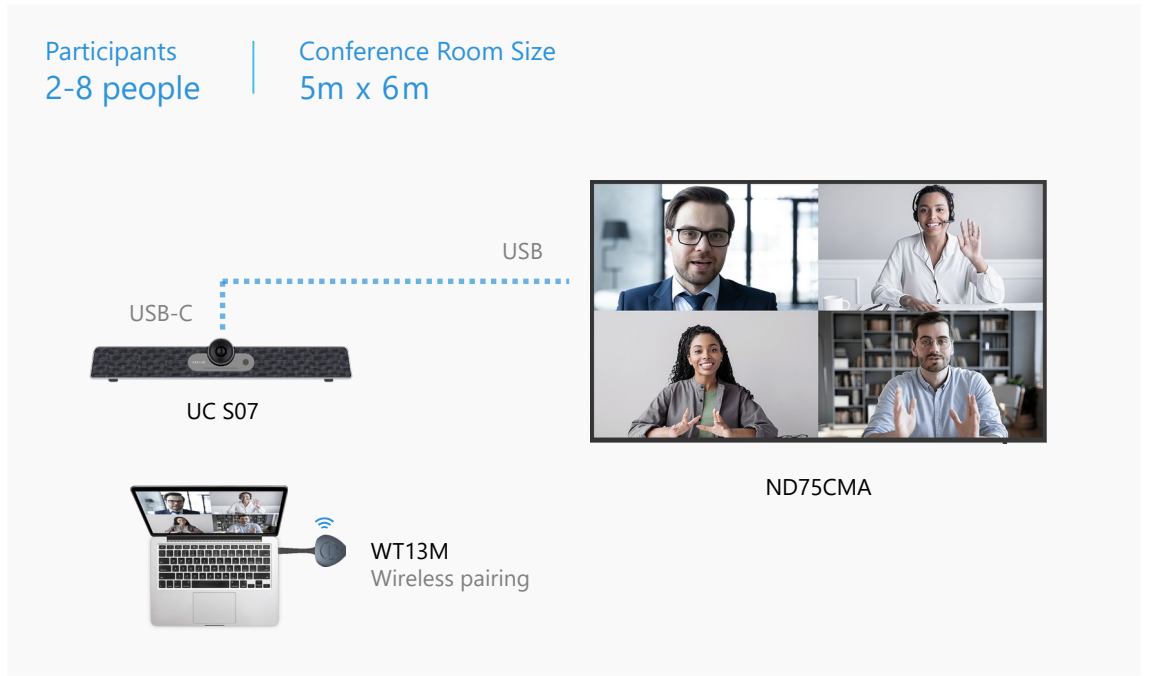
- MTR solution provides the easy sharing and video conferencing solution.
- It can be combined with a web camera, speakerphone, and control panel, creating a BYOD video conferencing setup for a laptop.

Product List

- | | | | | | |
|--------------|--------------------|----|----------|---------------|----|
| · CMA Series | Commercial Display | ×1 | · UC W31 | Web Camera | ×1 |
| · XC13T | MTR Mini PC | ×1 | · TCP20T | Control Panel | ×1 |
| · UC BM35 | Speakerphone | ×1 | | | |

Use Case Solution | BYOM Meeting Room

The inclusive and collaborative meeting experience for Hybrid Work
From Small to Medium room



Case Solutions

- Wireless Dongle or MAXHUB Share Software for video conferencing sharing.
- It can be combined with a video bar, creating a BYOM video conferencing setup for a laptop.

Product List

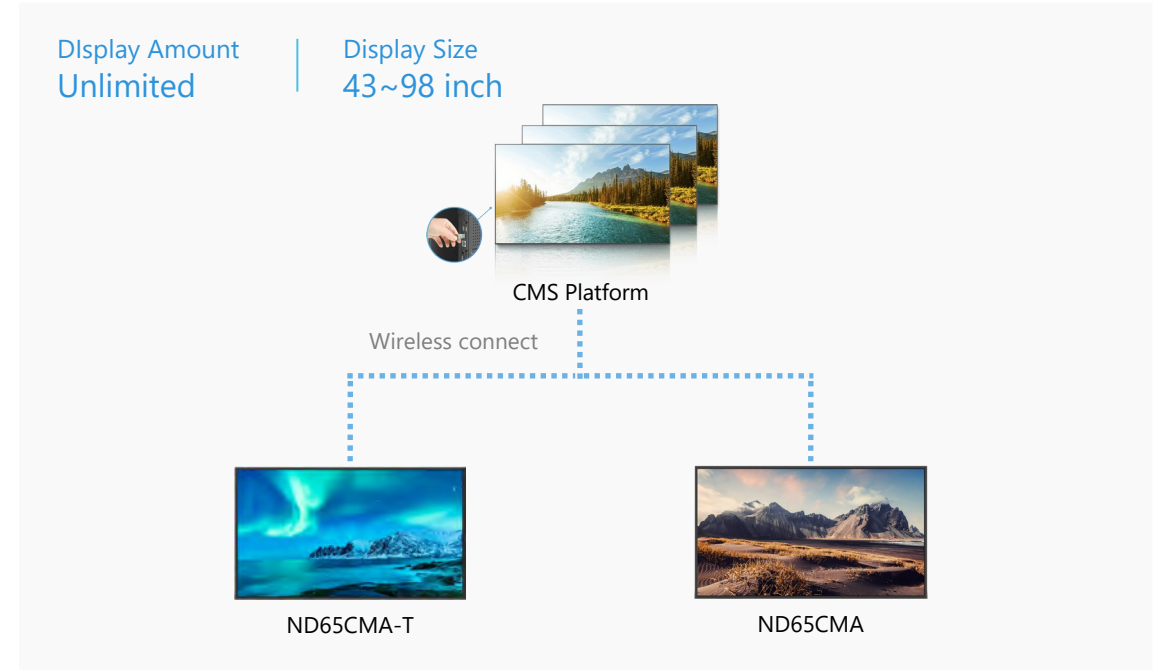
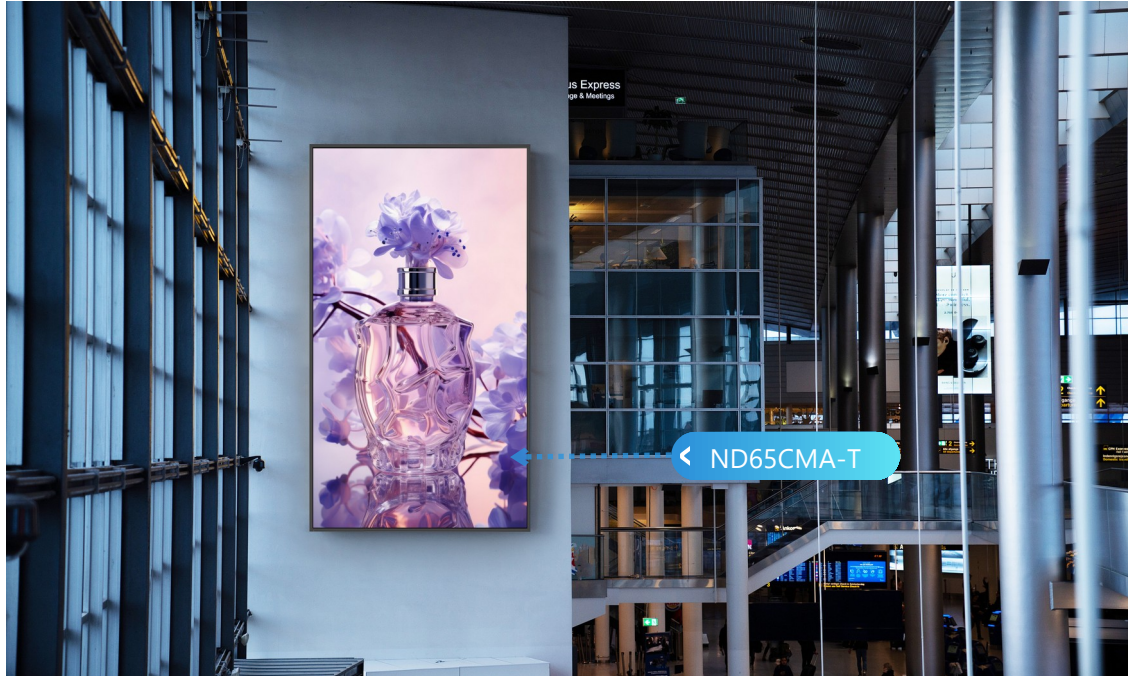
- | | | | | |
|--------------|--------------------|----|-------------------------|----|
| · CMA Series | Commercial Display | ×1 | · MAXHUB Share Software | ×1 |
| · UC S07 | MTR Mini PC | ×1 | | |
| · WT13M | Wireless Dongle | ×1 | | |

*BYOM function in testing, coming soon.

Use Case Solution | Commercial Info Display

MAXHUB

Centralized control and management in a commercial mall



Case Solutions

- Using the CMS platform, administrators can remotely control and schedule content playback on multiple CMA series displays simultaneously.
- The CMA-T display, with its high brightness of 800 nits, is suitable for 24/7 operation in bright environments.

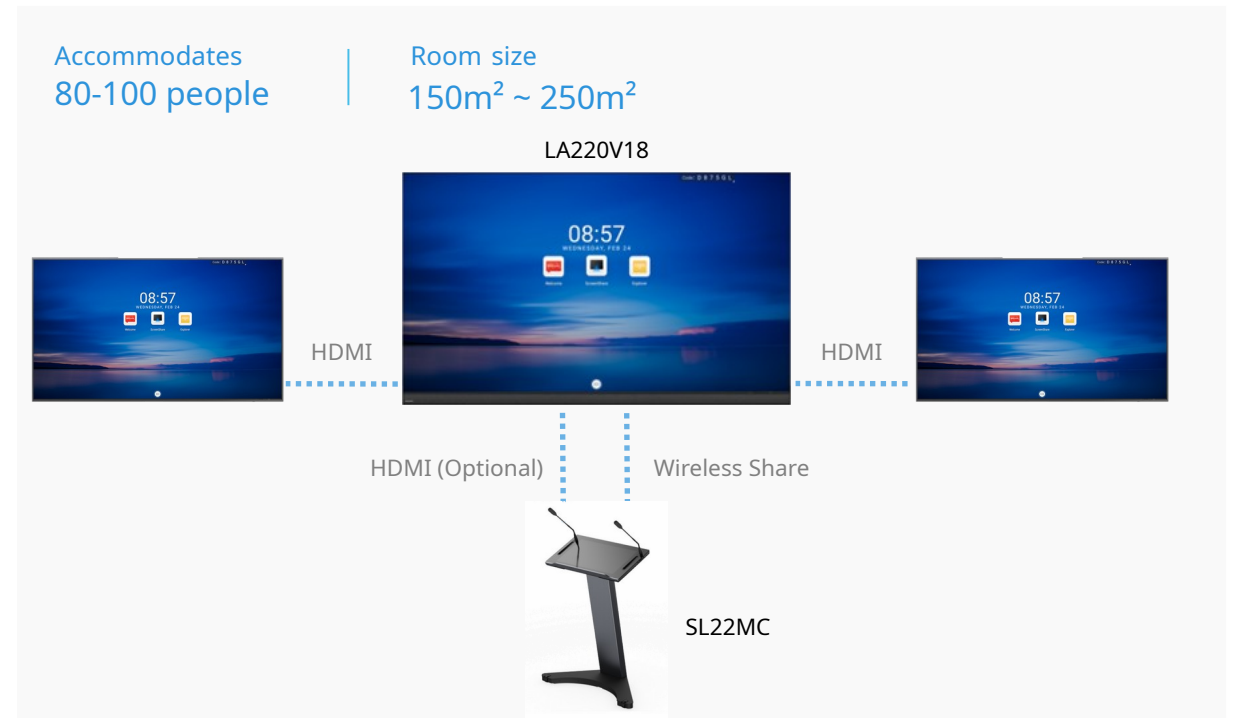
Product List

- CMA Series Commercial Display ×N
- CMS (Content Management System) ×1

Use Case Solution | Auditorium Solution

MAXHUB

Professional design and presentation when it matters most



Case Solutions

- The CMA series provide a user-friendly interface for showcasing advertisements, product information, and other business content.
- The direct view LED displays offer exceptional image quality and visual impact for large-scale commercial displays.

Product List

- CMA Series Commercial Display ×2
- LA220V18 AIO LED ×1
- SL22MC Smart Lectern ×1

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Thanks!

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