DL24B
DIGITAL PODIUM

TEMAS

■ Connectivity

1 - USB 2.0 2 - USB 3.0 3 - PC On/O 4 - Clock &Timer

5 - 22" Multi Touch Screen
6 - Creapen Annotation Software
7 - 18" Microphones
8 - Shock Mount

Master On/Off   Power Plug   Microphone Out   RJ45   USB   HDMI Out
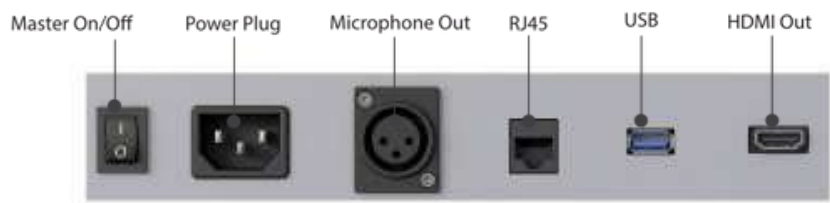
DL24B is designed to meet the basic needs in a conference room. Connecting the exisinting protector and sound system to DL24B is easy. In case there is not any protector, sound system or network connection. DL24B can satisfy your need asa stand alone product.

DL24B

	DL24B
Multi touch speaker screen	22
Front screen - with Embedded Signage Media Player	"
Player PC : Intel 4,10 GHz CPU, 120 GB SSD, Windows 10 Pro	43
Microphone	"✓
5" Digital Touch Timer	✓
Creapen Annotation Software	✓

Speaker Screen
■ iiyama Prolite T22

22"
Prolite

iiyama

22" 10 point touch monitor with edge-to-edge glass and AMVA panel

With its Full HD (1920x1080) resolution and accurate Projective Capacitive 10 point touch technology, the ProLite T22 delivers seamless and accurate touch response.

The AMVA panel technology guarantees high performance with excellent colour reproduction and high contrast, making it an excellent choice for a vast array of demanding interactive applications.

Touch Technology

CAPACTIVE TOUCH

This technology uses a sensor-grid of micro-fine wires integrated into the glass that covers the screen. Touch is detected because electrical characteristics of the sensor grid change when human finger is placed on the glass. Thanks to the glass overlay this technology is highly durable, and the touch function remains unaffected even if the glass is scratched.

It offers perfect picture performance and will work with human finger (also latex gloved) and stylus-pen.

Specifications Diagonal Aspect Ratio Panel	
Amva Native Resolution Brightness Brightness	21.5"; 55cm
Advanced Contrast Static Contrast Response	16 : 9
Time Viewing Zone Display Colour Blue Light	LED
Reducer Touch Technology Touch Points	Full HD 1080p, 1920 x 1080 (2.1 megapixel)
Glass Hardness Light Transmittance Display	250 cd/m² typical
Area Pixel Pitch Horizontal Sync Vertical Sync	215 cd/m² with touch panel
Synchronization INTERFACES / CONNECTORS	12 000 000 : 1 ACR
/ CONTROLLERS Analog Input Connector	3 000 : 1 with touch panel
Digital Input Connector USB HUB Controls	8 ms
	horizontal/vertical: 178°/ 178°; right/left: 89°/ 89°; up/down: 89°/ 89°
	16.7 million
	yes
	projective capacitive
	10
	7H minimum
	85%
	H X W 268.1 x 476.6 mm; 10.6" x 18.8 "
	H X V 0.248 x 0.248 mm
	30 - 80 KHz
	56 - 75 Hz
	Separate Sync
	VGA
	DVI, HDMI
	UP 1 x USB 3.0 / DOWN 4 x USB 3.0
	USB (touch), USB 3.0

■ Front Screen

Display any content in ultra-high definition with incredibly rich color on slim, efficient signage.

Through intelligent UHD upscaling technology, Samsung's QMR series performs edge restoration and noise reduction to deliver UHD picture quality even with lower resolution content. As an added benefi t, the QMR series also features reliable, non-glare panels that provide better visibility from all angles, the QMR series provides reinforced capability with multiple web formats and secured protection.

-Engage customers with lifelike images through ultra high-defi nition resolution
-Deliver UHD-level picture quality even with lower resolution content through innovative UHD upscaling technology and unique picture-enhancing features
-Dynamic Crystal Color allows viewers to enjoy a wider spectrum of colors, up to one billion shades
-Secure, PC-free operation through Knox and rigid three-layer protection
-Reliable, non-glare panels provide better visibility from all angles,

Integrated Signage Media Player
powered by Samsung MagicInfo S4 Tizen

Built in Wi-Fi
Connect the screen to the CMS wirelessly via the integrated Wi-Fi, ethernet or by LAN

Specifications	
Diagonal Size	43" Edge LED BLU UHD
Type	(3840 x 2160) 0.2451 x
Resolution	0.2451 941.184 (H) x
Pixel Pitch(mm)	529.416 (V) 500 4000:1
Active Display Area(mm)	178/178 8ms(Typ.)
Brightness(Typ.)	16.7M 72% 24/7
Contrast Ratio	
Viewing Angle(H/V)	
Response Time(G-to-G)	
Display Colors	
Color Gamut	
Operation Hour	
Internal Player (Embedded H/W)	
Processor	Coretex A72 1.7GHz Quad-Core CPU
On-Chip Cache Memory	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB
Clock Speed	1.7GHz
Main Memory Interface	2.5GB LPDDR4 1.5GHz 64bit
Graphics	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)
Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)
Multimedia	MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 AC3 (DD), MPEG
IO Ports	USB 2.0
Operating System	Tizen 4.0 (VDLinux)

PC
■ Player PC

FRONT

BACK

Specifications	
Operating System	Windows 10 Pro
CPU	Intel® Pentium® Gold G6405 Processor 4.1GHz (4M Cache)
Chipset	Intel B560
Graphics	Integrated - Intel HD Graphics
Memory	DRAM MODULE(DDR4)/3200/4G
Storage	128GB M.2 NVMe™ PCIe® 3.0 SSD
Wireless Data Network	Wi-Fi 6, Bluetooth 5.0, 2*2
LAN	10/100/1000 Mbps, Intel LAN
Side(Front) I/O Ports	4 x USB 3.2 Gen2 Type-A (1 w/QC), 1 x USB 3.2 Gen1 Type-C, 2 x Audio Jacks(optional)
Back I/O Ports	1x USB3.2 Gen1 Type-A, 2x USB2.0, 1x RJ45 LAN, 2x Display Port 1.2, 1x con gurable ports (HDMI 2.0/VGA/COM/DP/LAN), 1x Kensington lock, 1x DC-in
Power Supply	150W - 19Vdc, 4.74A, 90W Power Adapter
Dimensions (W x D x H)	175 x 175 x 44.2 mm
Weight	1.3KG (HDD included)
Color	Black
Accessories	USB Keyboard & Mouse
Certi cates	BSMI/CB/CE/FCC/UL/CCC/Energy Star/C-Tick/WiFi/RF/VCCI

Microphone
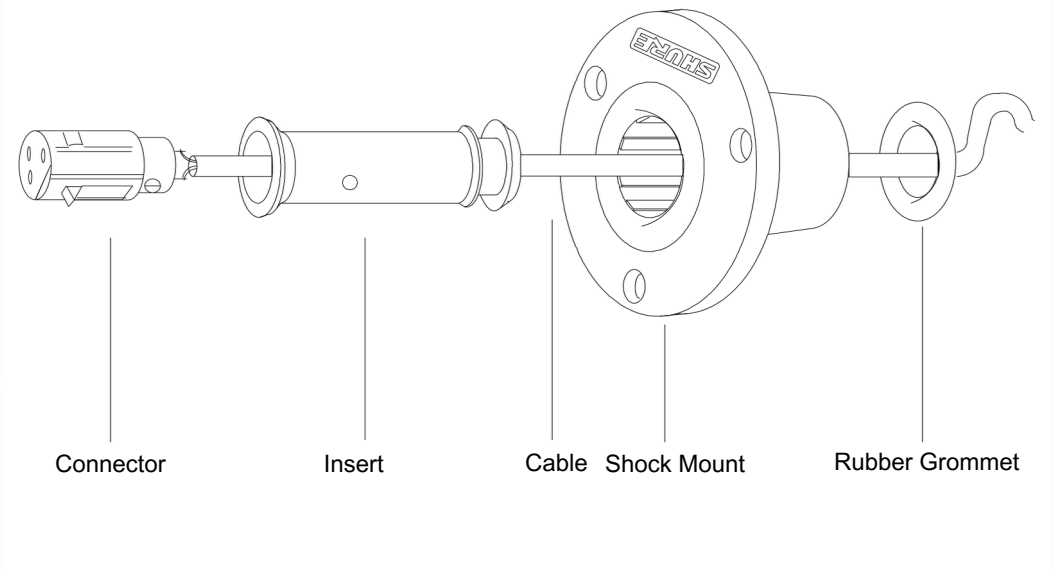## Shure 18 CVG18S-B Microphone

Designed with dual gooseneck sections for full articulation, the CVG18 provide scalable, best-in-class performance in a wide variety of locations.
Features

-Cardioid polar pattern with tailored response for speech
-Dual-section gooseneck enables ease of positioning and placement options
-Included Flange Mount and available snap-fit windscreens (ACVG4WS-B – 4 pack)
-With Mute switch/LED,
-Guards against unwanted RF Interference from portable wireless devices gh resistance to intense nearby radio signals
-Superior Shure design and rugged, dependable construction
-Noise by up to 20 dB.

Specifications	
Cartridge Type Electret Condenser	Electret Condenser 70–
Frequency Response	16000 Hz Cardioid 180
Polar Pattern	Ω −33 dBV/Pa[1] (22
Output Impedance	mV) 120 dB SPL 67 dB
Sensitivity (at 1 kHz , open circuit voltage)	93 dB 27 dB SPL 45 dB
Maximum SPL (1 kHz at 1% THD)	−7 dBV 3 11–52 V
Signal to Noise Ratio (referenced at 94 dB SPL)	DC[4], 2.0 mA
Dynamic Range	
Self Noise (equivalent SPL, A-weighted, typical)	
Common Mode Rejection (10 Hz to 100 kHz)	
Preamplifier Output Clipping Level (1% THD)	
Polarity	
Power Requirements	

Shure A400SMXLR Shock Mount

Shure A400SMXLR Shock Mount Socket
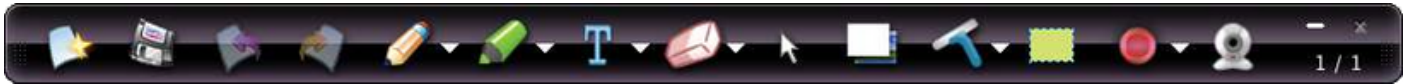A400SMXLR Shock Mount decouples a microphone from the mounting surface and reduces transmission of impact or surface

Connector   Insert   Cable   Shock Mount   Rubber Grommet

Application
Creapen Software

Screen Annotation & Screen Recording Solution for Presentations
CreaPen is an extremely simple yet powerful screen annotation and recording software. You can easily write on top of any other application that is currently active on the desktop, even on a running video. You can then save your annotations as an image file or even record the whole session as a video for sharing. It is a useful took for presenters to communicate and share idead during a live session, for educators to create e ective video tutorials and for salespeople to create impressive video presentations.

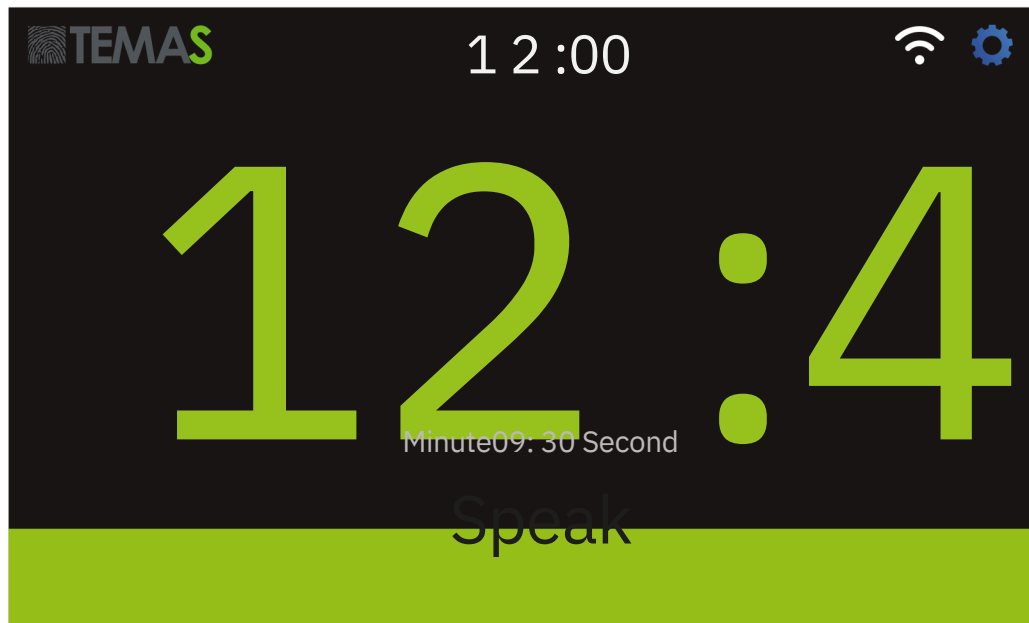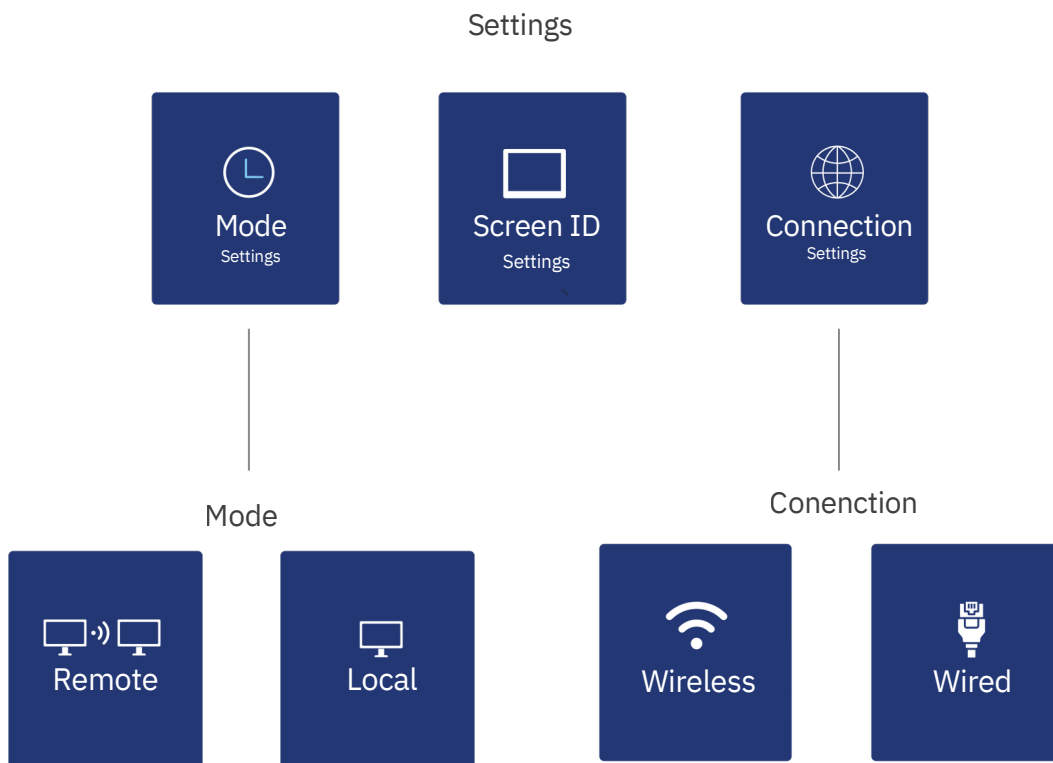| Text Input	Whiteboard	Multiple Pages	Screen Recording	Screen Annotation	Web Camera

Application

■ 5" Touch screen Timer & Clock

TEMAS   1 2 : 0 0

12 : 45

Minute09: 30 Second

Speak
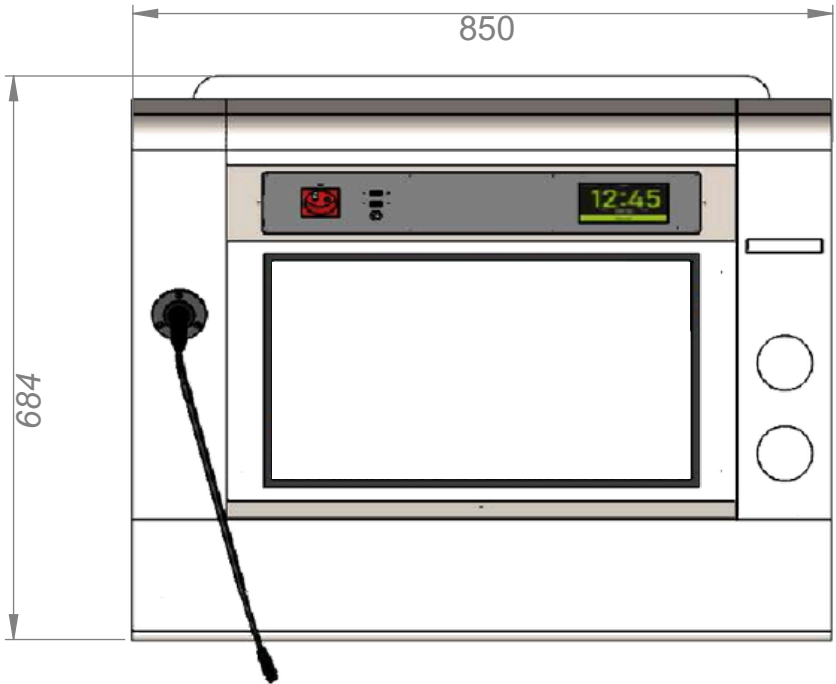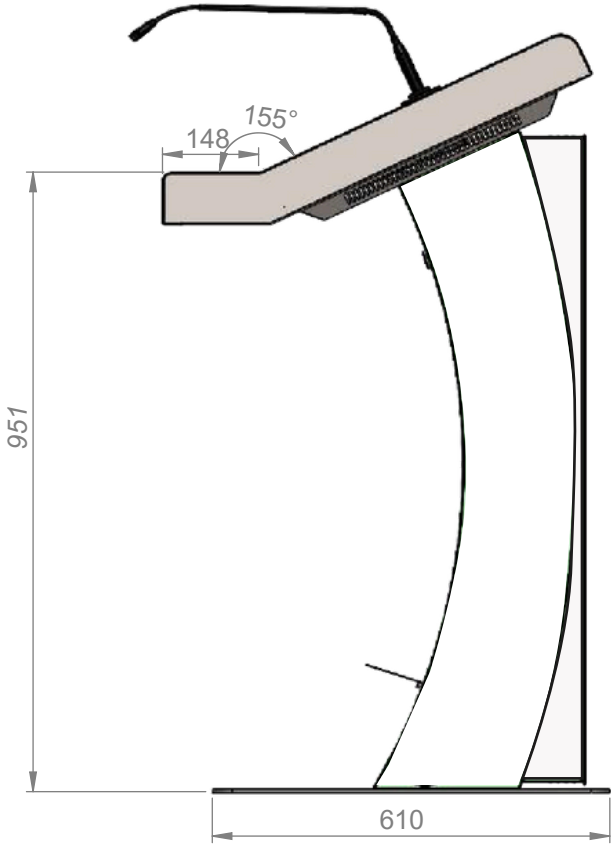
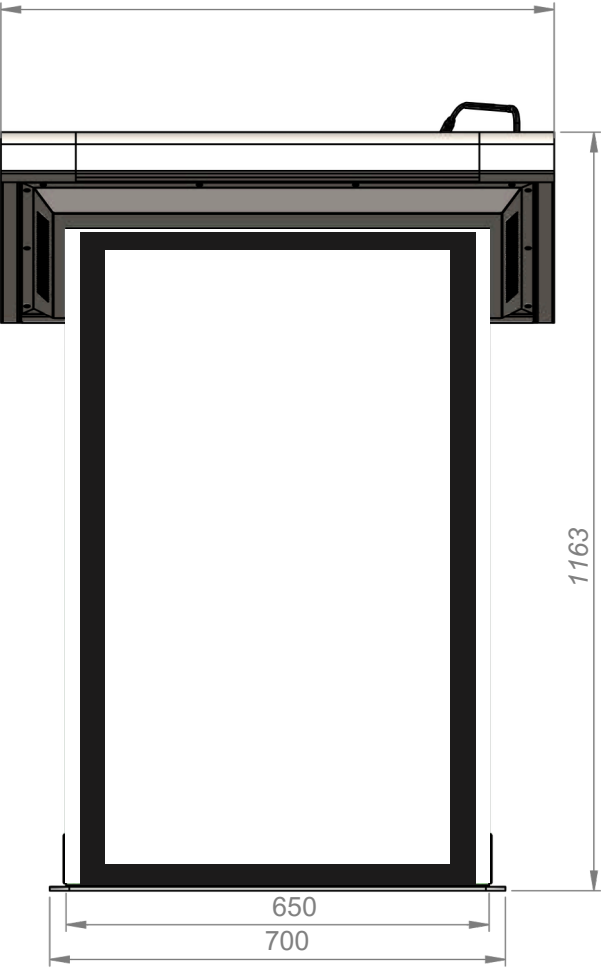■ Speak - Green: 80% of the entire speech
■ Sum-up – Orange: The speaker is reminded to end
■ End – Red: To remind the speaker to stop talking

Settings

Mode Settings	Screen ID Settings	Connection Settings

Mode

Remote	Local

Conenction

Wireless	Wired

MECHANICAL SPECIFICATIONS

850

1163

650

700

951

155°

148

610

850

684

■ Technical specifications

	DL24B
■ Front Panel	**43"**
Resolution	1920x1080 FHD
Brightness	350 cd/m2
Aspect Ratio	16:9
Panel Type	IPS
Front Panel Player	Digital Signage Media Player
■ Lecturer Panel Screen	**22"**
Resolution	
Brightness	1920x1080
Aspect Ratio	250 cd/m2
Number of Touch Point	16:9
Lecturer Panel PC	10 Points Capacitive
CPU	
RAM	Intel 4,10 GHz
HDD	4 GB
Operation System	120 GB SSD
Microphone	Windows 10 Pro
Lenght	
■ No of Microphone	
Output Connector	18"
Microphone Type	1 pcs
Frequency Response	3-way XLR(Male)
Power ON Indicator	Cardioid
Power Requirement	50 - 18 kHz
	LED
	Phantom Power (48V)
■ Outputs (Bottom of Podium)	
HDMI	Available (Projector Out)
Ethernet	Network Connection
XLR for Microphone	3-way XLR(Male)
USB	USB 2.0 (for internal PC)
Timer	
■	
Screen size	5" Available
Clock	Available
Timer	Available
Stopwatch	PCAP touch
Touch	
■ Mechanical Specs	
~~Outline Dimesion(mm)Set~~	684 x 850 x 1163 810 x
~~Outlibe Dimension(mm)Package~~	990 x 1390 Set: 74 kg
~~Weight(kg)~~	Package: 125 kg