

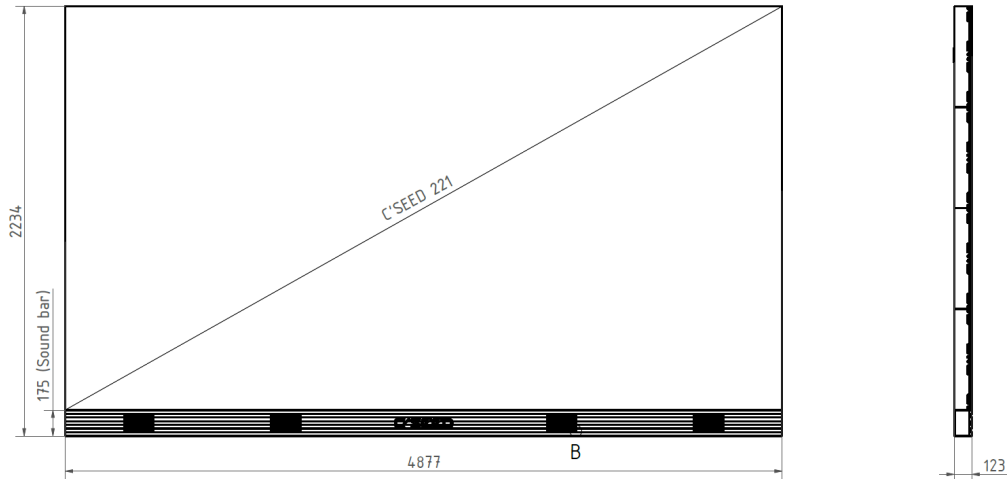


# IMPLEMENTATION CONCEPT

C SEED BLADE 221

C/SEED

THE UNFOLDING TV



**PHYSICAL DIMENSIONS**

LED TV size (diagonal)	inch/mm	221 / 5595
LED TV size (width)	inch/mm	192 / 4877
LED TV size (height)	inch/mm	81 / 2058
Standard LED screen (depth)	inch/mm	3.23 / 82
LED TV area	sq.ft./m <sup>2</sup>	108 / 10.04
Pixel resolution (width)	pixels	5120
Pixel resolution (height)	pixels	2160
LED TV weight	kg	650

**TV SYSTEM**

Brightness	nits	800
Pixel Pitch	mm	0.9
Brightness control		Manual
Number of Micro-LEDs		11,059,200
Processing depth	bit	16 per color
Color spectrum	colors	64 billion
Refresh rate	Hz	3,840
Lifespan	h	100,000
Contrast ratio		20:000:1
Colour temperature adjustable	K	3,000 - 10,000
Viewing angle-horizontal	degrees	175
Viewing angle-vertical	degrees	175
LED fixings		front-service
Broadband speaker peak out	type	4 x 180W
Subwoofer peak out	type	2 x 90W
Speaker & Subwoofer frequency range		50 Hz - 22 kHz

**INPUT / OUTPUT**

Video input	HDMI2.0/DP1.4
Serial in/output	2 x USB
Audio output	pre-amp, 9.2, independent sub
Network connection	1 x RJ45

**OPERATION**

Power supply LED screen		8x 110 - 240V, 50-60Hz
Input power (max)	W/m <sup>2</sup>	480
Input power (typical)	W/m <sup>2</sup>	160
Power consumption (max)	kW	6,5
Power consumption (typical)	kW	2,2

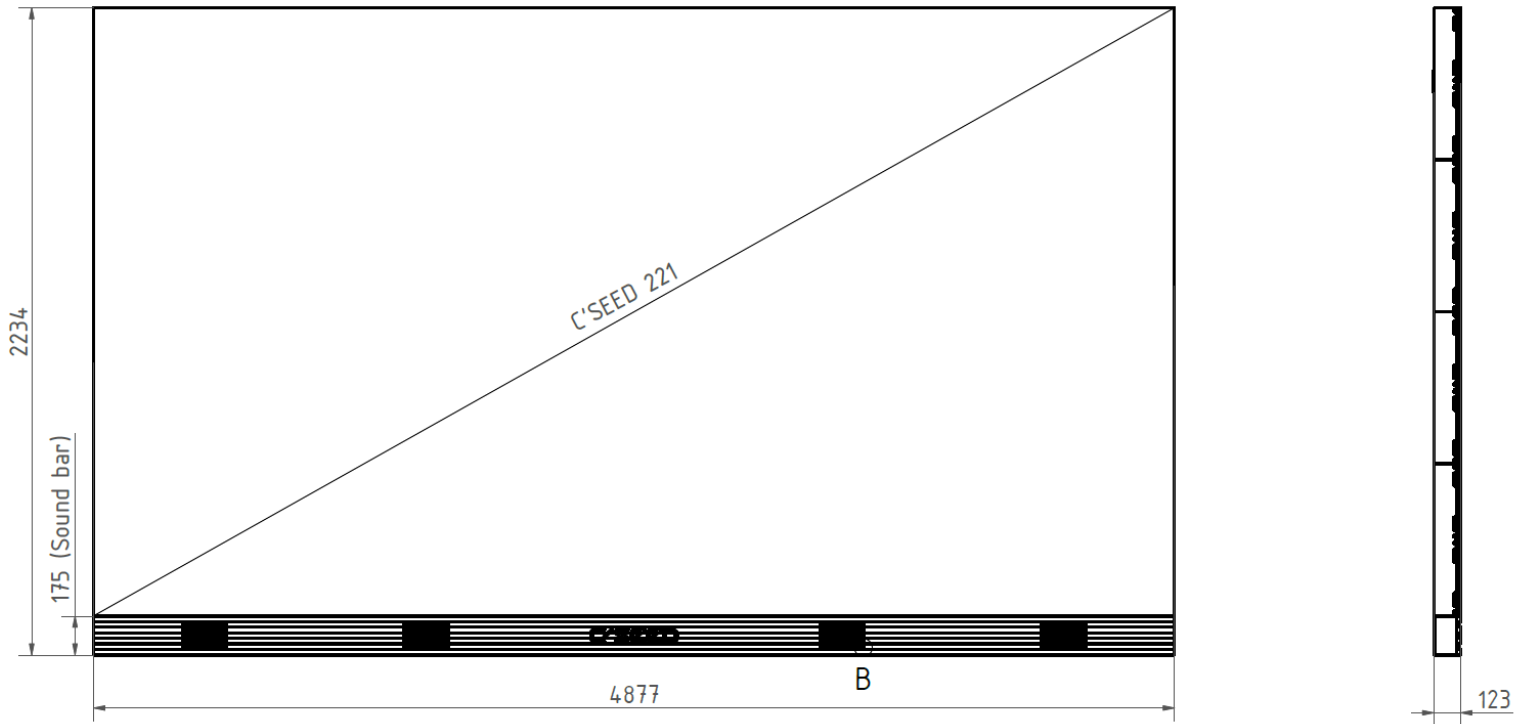
**EQUIPMENT**

9.2 AV-Receiver	Remote control	4K LED HDR10+ Controller
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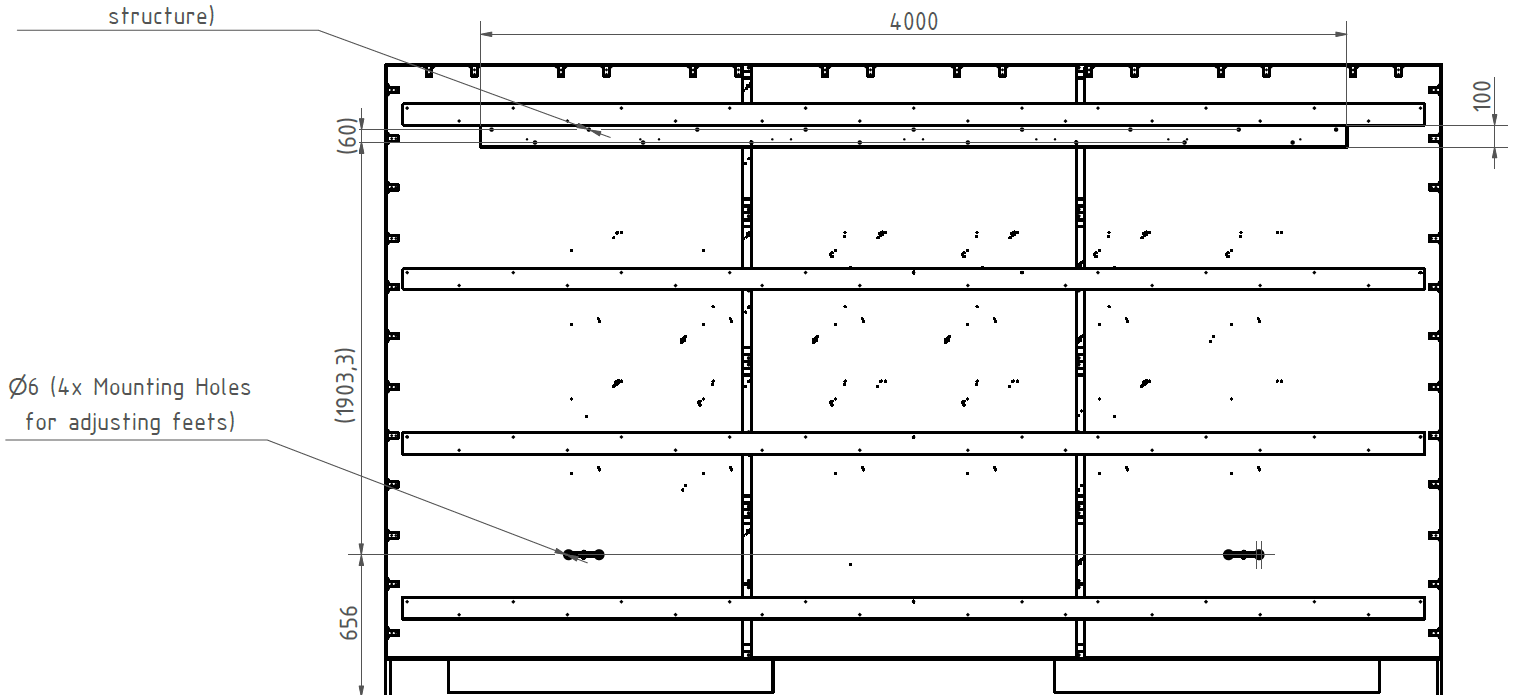


**ACCORDING TO EXACT POSITIONS OF CABLING CONDUITS:**

- C SEED 221 Blade to AV-Rack in Technical room (max. 50 m | 160 feet)



Ø10 (Final mounting holes diameter and positions depend on mounting wall structure)



Ø6 (4x Mounting Holes for adjusting feet)

## CABLING DUCTS AND CONDUITS

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- Cabling canal | 4-5 inches (not less) located between Technical room and TV (power connection)

## AV CONTROLLER

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- SAT | video | TV signals to be connected via HDMI inputs
- 1x 110 - 240V, 50-60 Hz uninterrupted power
- Internet connection as of beginning of installation (permanent!)
- 22 RU of 19" x 800mm deep equipment rack space - AV-Rack will be supplied by C SEED
- Number of HDMI inputs (max. 3)
- Location max. 50m | 160 feet from AV room

### Additional:

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- The inputs include CVBS, VGA, SDI, DVI, HDMI and DP. They support input resolution up to 2160p@60Hz. Highest pixel clock is 165MHz. Output bandwidth is up to 4Gbit. Advanced de-interlacing motion adaptive processing technology is adopted so that images are clear and fine. And with DMI, the gray scale depth can be up to 12bits.
- Each input can be fully configured with contrast, brightness, hue, saturation, and RGB gain. Inputs can be scaled up or down to fit the LED display resolution.
- Computer software for system configuration is not necessary. The system can be configured using one wheel and one button. You can also configure the system with browsers. This gives you the option of using a remote PC (Windows or Mac or Linux), a pad or even a smart phone to do the con-figuration. Real-time previews assist with system set-up and confirm source status.
- The AV controller has DMX512 and GenLock interface. Professional control and synchronization are ready to go. Optical fiber outputs enable the confident long-distance data transmission.

**SERVICES PROVIDED BY AND AT THE EXPENSES OF THE OWNER OF THE VENUE**

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- Power Supply: High power: 9x 100-240V, 50-60 Hz; Power plug with 9 breakers x 16A fuse box
- Internet connection at the multi media server as of beginning of the installation
- WIFI I WLAN at the venue as of beginning of the installation
- Cabling ducts & conduits for TV system according C SEED electrical conduits plan (project specific)
- Cables and cable installation according to C SEED electrical cable plan (project specific)
- Cabling ducts and conduits to and from TV location according to plan
- Space for AV-Rack with dimensions H: 1,170mm x W: 800mm x D: 800mm in Technical room
- Sat I video I TV signals
- Electrical test protocol according to international standards of all cables must be provided to C SEED prior installation

**SERVICES PROVIDED BY C SEED**

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- 1 site visit (meeting with client)
- Plan of locations (indoor) of system components - sketch
- Coordination with local electrician
- Coordination with local sat I video I TV professional
- Implementation, programming & testing of the C SEED TV
- TCP/IP control protocol for home automation
- Operation training for technical staff of the venue
- Handover & Acceptance Protocol

**Contacts**

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Owner representative \_\_\_\_\_

Construction company of the venue \_\_\_\_\_

C SEED Project manager \_\_\_\_\_

Vers.: 2.3/HP/25.07.23

“The information and specification contained in the implementation concept are information purpose only and are subject to change without prior notice”