IMPLEMENTATION CONCEPT

C SEED BLADE 137

C SEED

THE UNFOLDING TV

C SEED 137 BLADE

3048

3497/mm

137"

1714.5

136
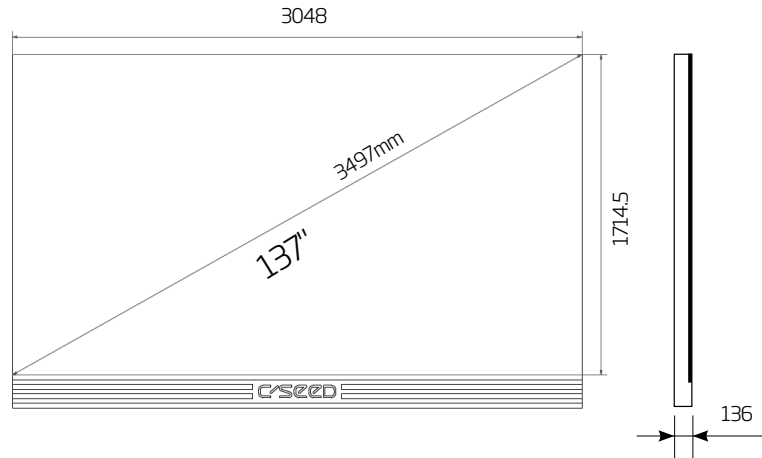
PHYSICAL DIMENSIONS

LED TV size (diagonal)	inch/mm	137 / 3497
LED TV size (width)	inch/mm	120 / 3048
LED TV size (height)	inch/mm	67.5 / 1714.5
Standard LED screen depth	inch/mm	3.23 / 82
Total TV depth incl mounting structure	inch/mm	5.35 / 136
LED TV area	sq.ft./m²	56.3 / 5.23
Pixel resolution (width)	pixels	3.840
Pixel resolution (height)	pixels	2.160
LED TV weight		220kg / 485lb

TV SYSTEM

Brightness	nits	1000
Pixel Pitch	mm	0.7
Brightness control		Manual
Number of Micro-LEDs		8,294,400
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	170
Viewing angle-vertical	degrees	170
LED fixings		front-service
Broadband speaker peak out	type	2 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		6x 100-240V, 50-60 Hz
Input power (max)	W/m²	480
Input power (typical)	W/m²	160
Power consumption (max)	kW	2.6
Power consumption (typical)	kW	0.9

EQUIPMENT

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

Technical room to TV

max. 50 m / 160 feet

Optimum 3 – 8 m

10 – 26 feet

AV Controler
Control Unit
AV Source Client

Technical Room

ACCORDING TO EXACT POSITIONS OF CABLING CONDUITS:

- C SEED 137 Blade to AV-Rack in Technical room (max. 50 m I 160 feet)

C'SEED

1891

3497 [137"]

C'SEED

3048

512

61

21

175

136

1439,2

1219,2

999,2

829,6

609,6

389,6

220

0
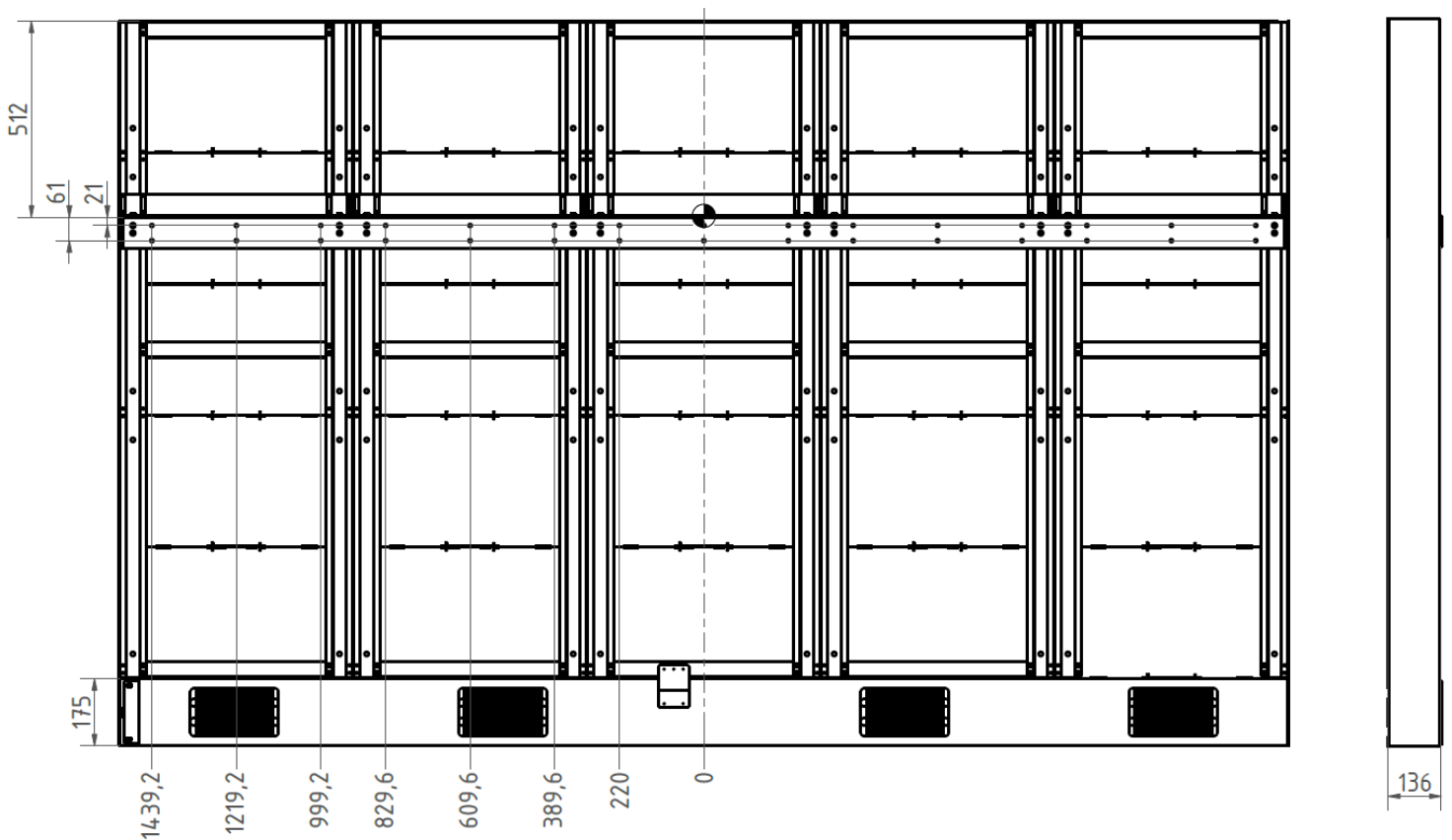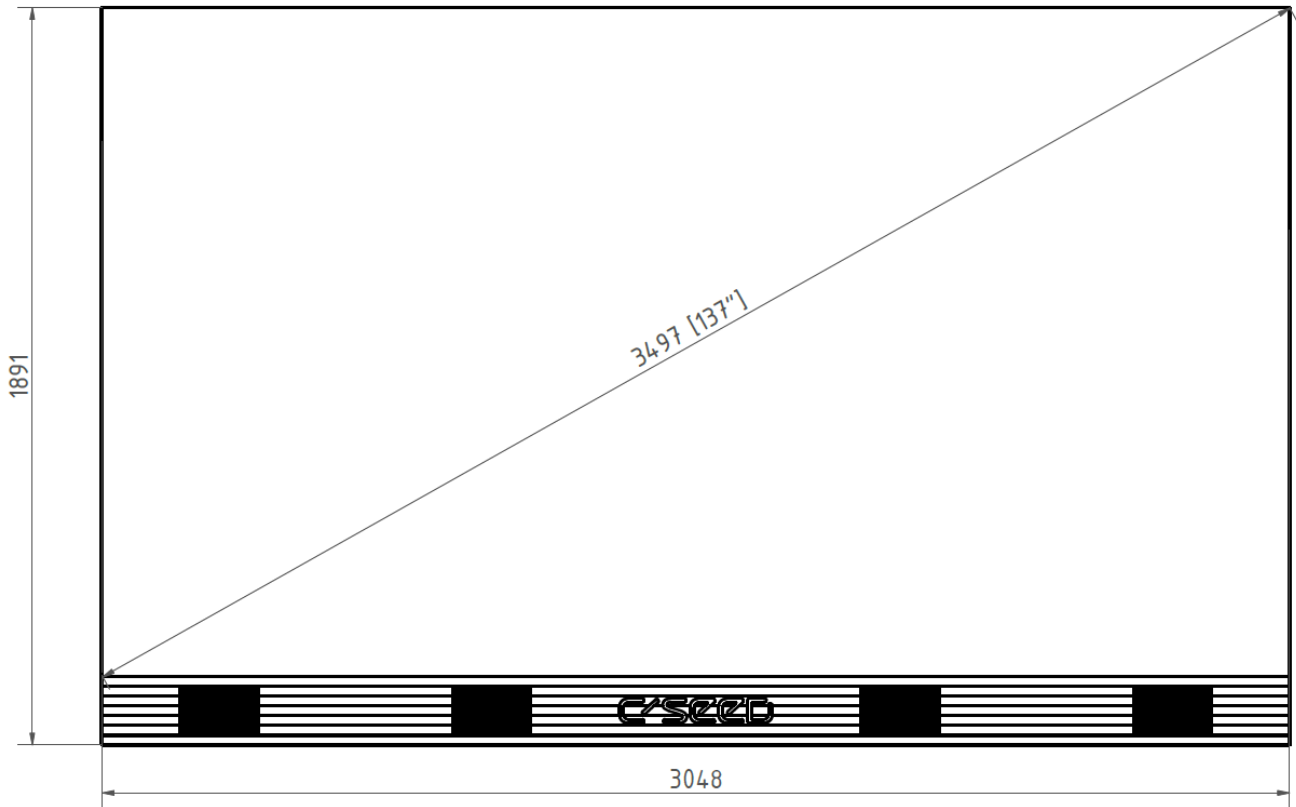
CABLING DUCTS AND CONDUITS

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

AV-RACK IN TECHNICAL ROOM

- SAT I video I TV signals to be connected via HDMI inputs
- 1 x 100-240V, 50-60 Hz
- 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 I 160 feet from TV

Additional:

- 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.

RESPONSIBILITIES

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

- Power Supply: High power: 6x 100-240V, 50-60 Hz; Power plug with 7 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)
- Assemble ethernet connectors and provide test protocols
- Space for AV-Rack with dimensions H: 1170mm x W: 800mm x D: 800mm in Technical room
- Sat I video I TV signals at the AV-Rack
- Electrical test protocol according to international standards of all cables must be provided to C SEED prior installation
- Connecting Power Supply by local electrician

SERVICES PROVIDED BY C SEED

- 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

Owner representative   _____

Construction company of the venue   _____

C SEED Project manager   _____

Vers.: 1.2/HP/25.07.23

www.cseed.com

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