



V(3.20x1.92, 25, 720) Display & Control Solution

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HIKVISION

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Chapter 1 Project Design

1.1 Video Wall Rendering



Figure 1.1.1 Video Wall Rendering



1.2 Vertical/Side View

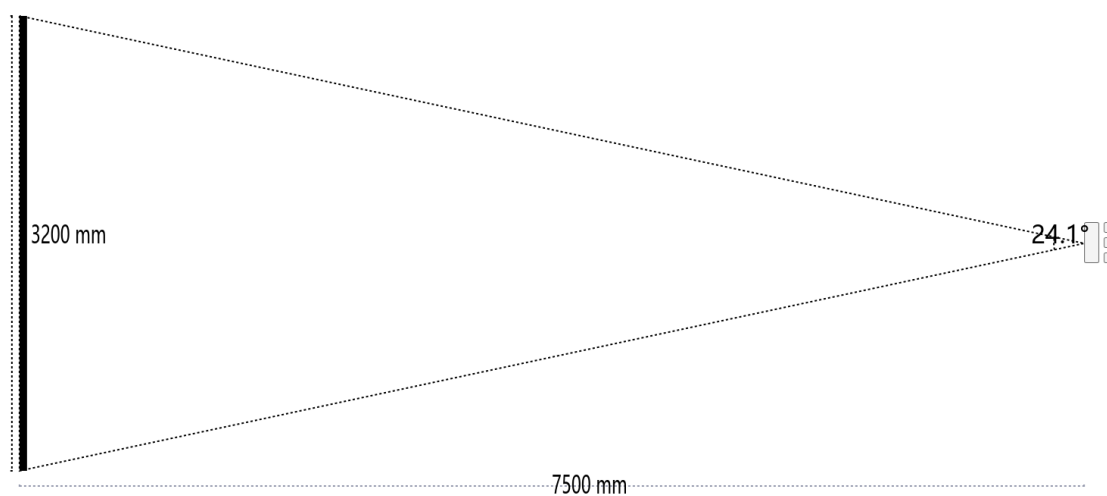


Figure 1.2.1 Side View

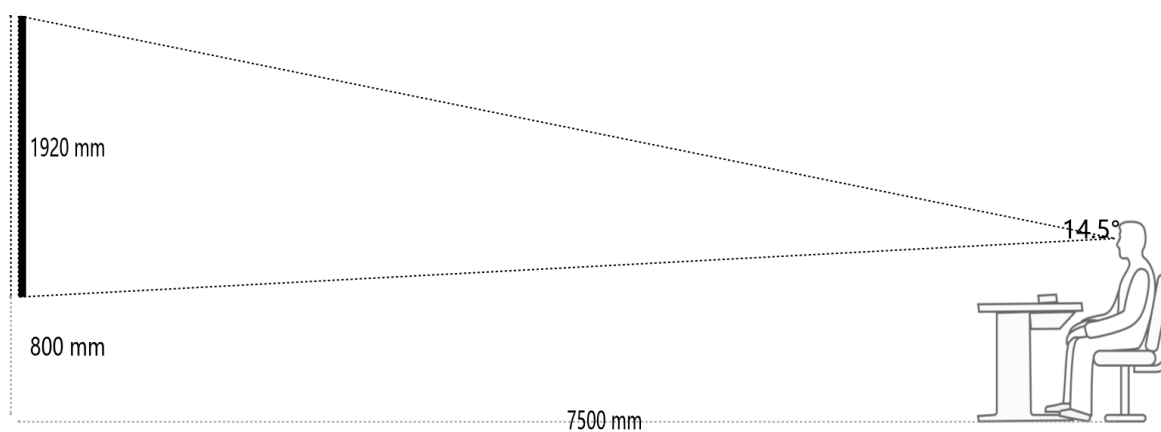


Figure 1.2.2 Vertical View



1.3 Recommended Solution

Table 1.3.1

Product Type	Model	Quantity	Unit	Technical Specs
Display				
LED Cabinet	DS-D4025CS-2F/A, 320*160 Cabinet Module 317006731	120	PCS	DS-D4025CS-2F, 2.5mm, 640*480MM
LED Bracket	DS-DL226448W 190184795	4	PCS	CKF Bracket
LED Bracket	DS-DL116448W 190184793	4	PCS	CKF Bracket
Cabinet Frame	DS-D40S-2F 317006732	20	PCS	DS-D40S-2F 640*480mm
Video Processing System				
LED Controller	DS-DT60C-01HI02NO 336800076	1	PCS	2 Ports LED Controller
Accessories				
Front Maintenance Tool	DS-D42MF2B 317000435	1	PCS	Support the maintenance of indoor LED front maintenance products
Main Power Cable	DS-D40W-2F/PC 317005385	2	PCS	DS-D40W-2F/PC(PowerCableParcel)
Main Network Cable	DS-1NP6UEC0 307400635	2	PCS	CAT6, U/UTP, 24AWG, CU
Cross-Connecting Network Cable	DS-1NP6UEC0 307400627	4	PCS	CAT6, U/UTP, 24AWG, CU
Spare				
LED Module	DS-D4025CS-2F/A, 320*160 Cabinet Module 317006731	6	PCS	DS-D4025CS-2F, 2.5mm, 640*480MM
Spare HUB Board	DS-D40S-2F/H 317006733	1	PCS	DS-D40CS-2F/H 640*480mm

Table 1.3.2

Video Wall Parameters		
Video Wall Scale	Row × Column	4 × 5
	Display Quantity	20

Video Wall Parameters		
Video Wall Dimension	Width × Height	3.20 m × 1.92 m
	Size	6.14 sq.m
	Diagonal Length	146.9"
	Resolution	1280 × 768
Load Bearing	Video Wall Weight	110.00 kg
	Bracket Weight	34.80 kg
Power Consumption	Max. Power Consumption	2.76 kW
	Average Power Consumption	0.92 kW

Table 1.3.3

DS-D4025CS-2F		
Product Model	Product Model	DS-D4025CS-2F
Product Type	Product Type	Indoor small pitch full color LED
Display	White Balance	
	Brightness	600 cd/sq.m
	Color Temperature	3000–10000 K adjustable
	Viewing Angle	160° (H)/160° (V)
	Contrast Ratio	5000:1
	Color Uniformity	≤ ± 0.003Cx, Cy
Module	Brightness Uniformity	≥ 97%
	Dimensions	320 × 160mm
	Module Resolution	128 × 64
Cabinet	Pixel Configuration	SMD Triad LED
	Pixel Pitch Category	P2.5
	Pixel Pitch	2.5mm
	Pixel Density	160000 dots/sq.m
	Modules Component	2 × 3
	Resolution	256 × 192
	Dimensions (W × H × D)	640 (W) mm × 480 (H) mm × 36 (D) mm (25.197" × 1.898" × 1.42")
	Area	0.3072 sq.m
	Weight	5.5 kg (12.13 lb.)
	Cabinet Material	Die cast aluminum
	Maintenance Method	Complete front maintenance

DS-D4025CS-2F

Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	3840 Hz
	Grey Level	Up to 16 bit
Power	Max. Consumption	≤450W/sq.m
	Average Consumption	≤150W/sq.m
	Input Voltage	100~240 VAC ± 10%
Working Environment	Working Temperature	-10 °C to 40 °C (14 to 104)
	Working Humidity	10% to 60% RH (without condensation)
	Storage Temperature	-20 °C to 60 °C (-4 to 140)
	Storage Humidity	10% to 85% RH (without condensation)
General	Package Dimensions (W × H × D)	758 (W) mm × 606 (H) mm × 442 (D) mm (29.843 " × 23.858 " × 17.402 ")
	Packing List	Regulatory Compliance and Safety Information × 1 Several Joint pieces, Fixing screws and Signal cables Several LED lamp beads and IC components
	Gross Weight	6.5 kg (14.3 lb.)
	Net Weight	5.5 kg (12.13 lb.)
Bracket	Modular Bracket	DS-DL116448W 1*1; DS-DL126448W 1*2; DS-DL226448W 2*2



1.4 System Topology

System Topology Picture

— Video Cable

— Network Cable

SE Cat5e Cable

Bluetooth

Power Cable

USB Cable



×120

DS-D4025CS-2F/A, 320*160 Cabinet Module

SE



×1

DS-DT60C-01HI02NO



Chapter 2 Installation

2.1 Bracket Installation

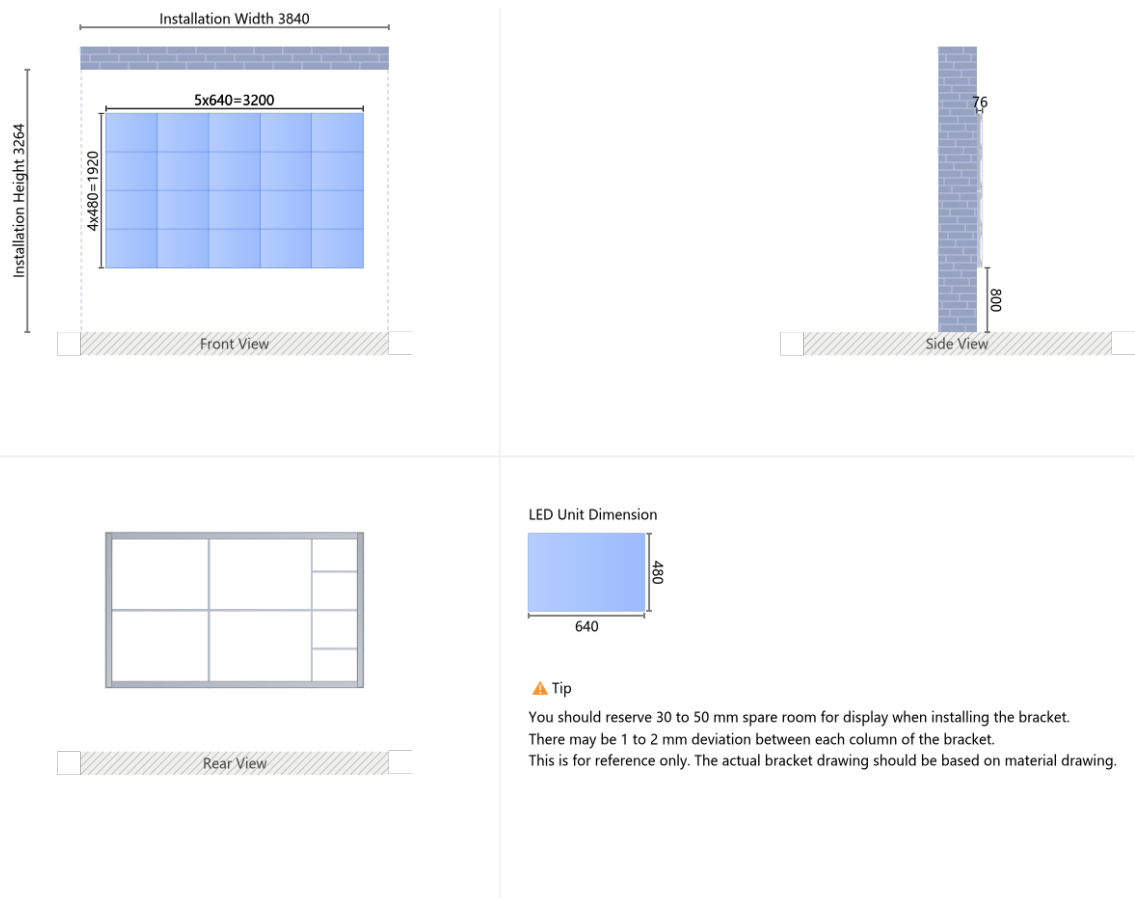
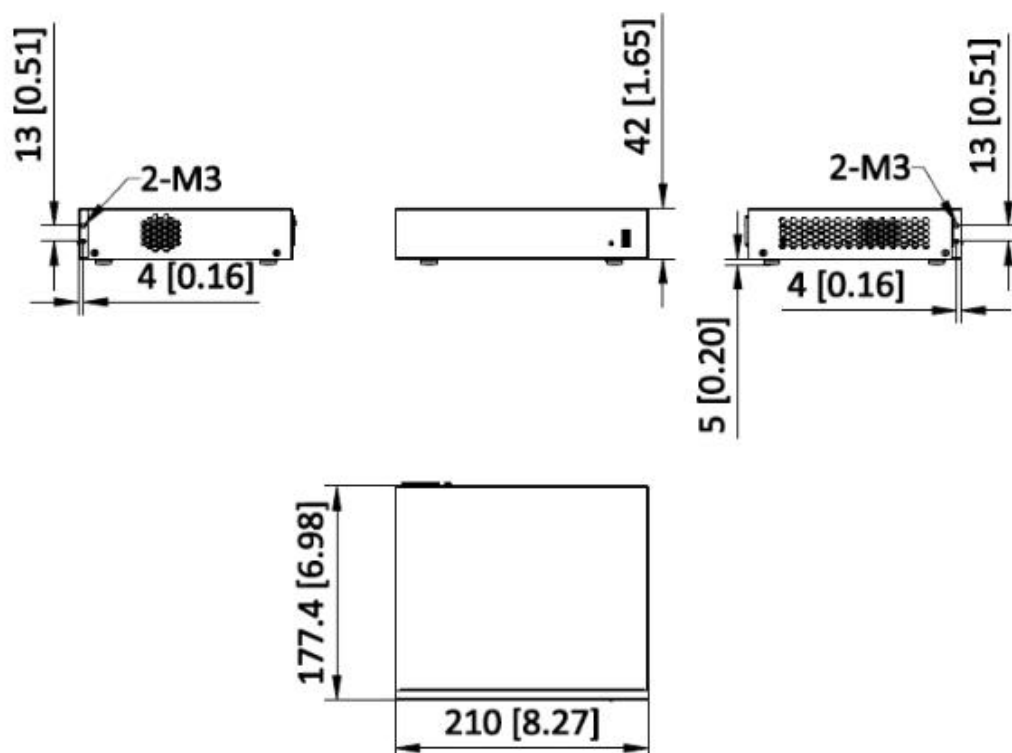


Figure 2.1.1 Bracket Installation



2.2 Structural Dimension Diagram

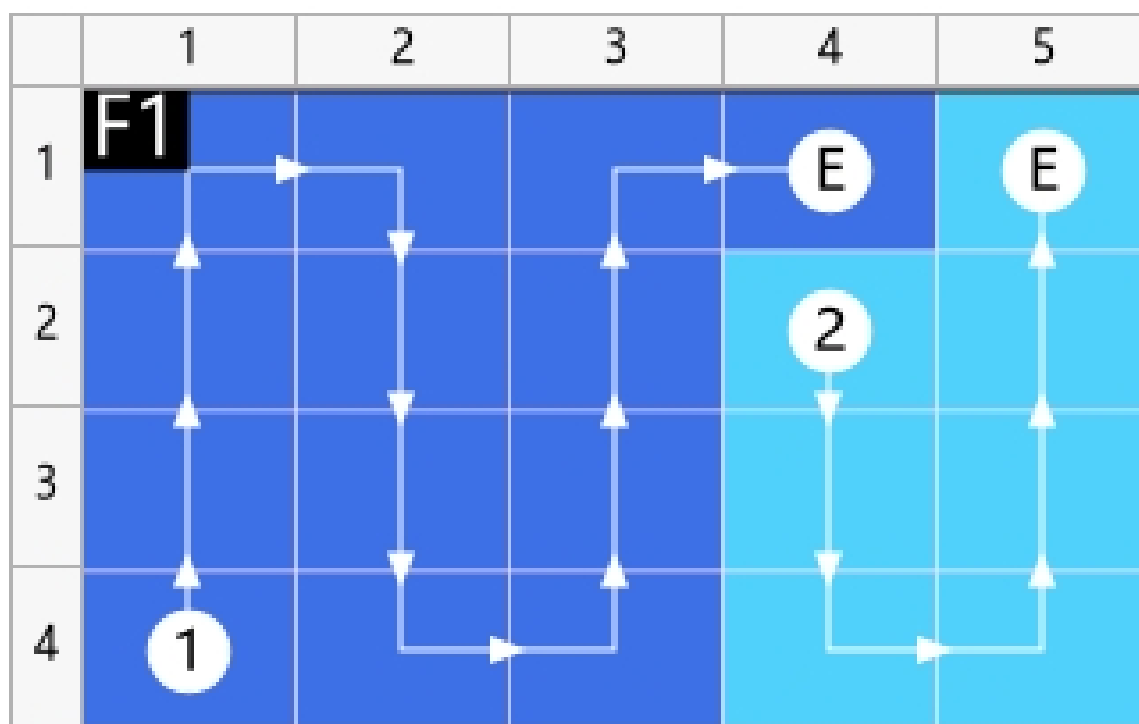


Unit: mm [inch]

Figure 2.2.1 DS-DT60C-01HI02NO Structural Dimension Diagram



2.3 Cable Connection



DS-DT60C-01HI02NO

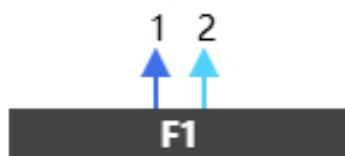


Figure 2.3.1 Display Load Capacity of Network Interface

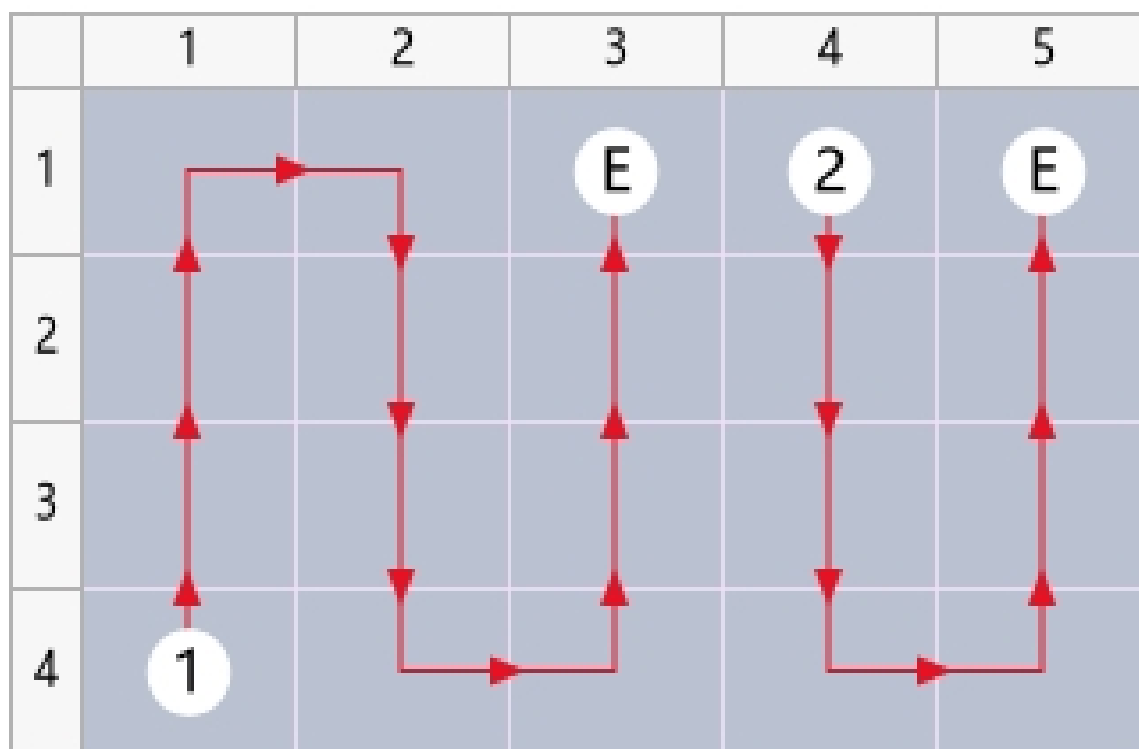


Figure 2.3.2 Display Power Cable Connection

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