



# V( 3.6 × 2.02, 1.8, FHD) 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

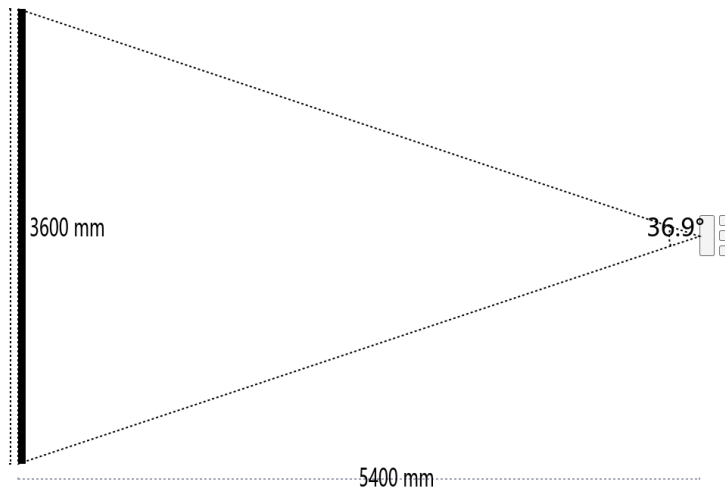


Figure 1.2.1 Side View

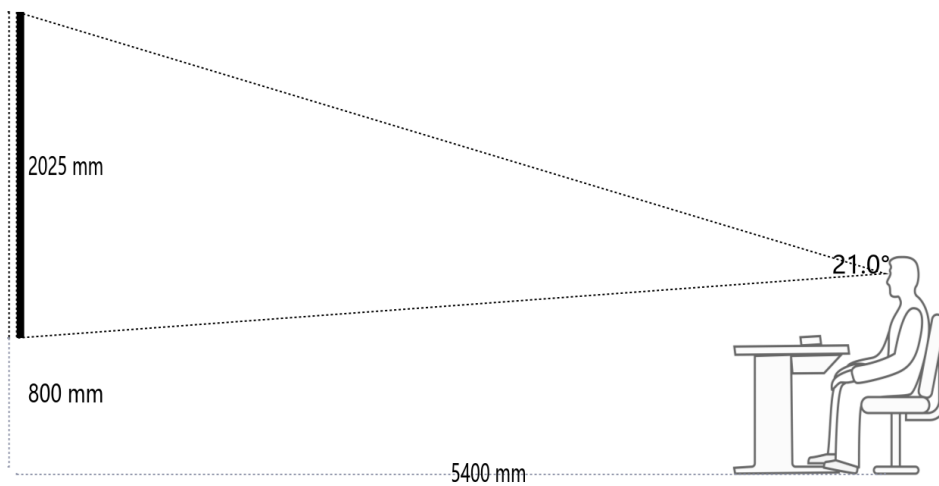


Figure 1.2.2 Vertical View

## 1.3 Recommended Solution

Table 1.3.1

Product Type	Model	Quantity	Unit	Technical Specs
Display				
LED Cabinet	DS-D4018CW-2FQ/A 600*337.5mm Module 317006800	144	PCS	P1.8 GOB
LED Bracket	DP-D40XXCB22-1X1-Q0.2-NW-Q 0.2-ZF 336700086	36	PCS	600*337.5mm 1*1 Ultra-thin Modular Bracket
Cabinet Frame	DS-D40W-2F 317006689	36	PCS	DS-D40W-2F 600*337.5mm Cabinet Structure
Video Processing System				
LED Controller	DS-DT60C-01HI04NO 336800077	1	PCS	4 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	3	PCS	DS-D40W-2F/PC(PowerCa bleParcel)
Main Network Cable	DS-1NP6UEC0 307400635	4	PCS	CAT6, U/UTP, 24AWG, C U
Cross-Connecting Network Cable	DS-1NP6UEC0 307400627	5	PCS	CAT6, U/UTP, 24AWG, C U
Spare				
LED Module	DS-D4018CW-2FQ/A 600*337.5mm Module 317006800	8	PCS	P1.8 GOB
Spare HUB Board	DS-D40W-2F/HUB 317006690	1	PCS	DS-D40W-2F/HUB 600*337.5mm Spare HUB

Table 1.3.2

Video Wall Parameters		
Video Wall Scale	Row × Column	6 × 6
	Display Quantity	36

Video Wall Parameters		
Video Wall Dimension	Width × Height	3.60 m × 2.02 m
	Size	7.29 sq.m
	Diagonal Length	162.6"
	Resolution	1920 × 1080
Load Bearing	Video Wall Weight	122.40 kg
	Bracket Weight	61.20 kg
Power Consumption	Max. Power Consumption	2.84 kW
	Average Power Consumption	0.95 kW

**Table 1.3.3**

DS-D4018CW-2FQ		
Product Model	Product Model	DS-D4018CW-2FQ
Product Type	Product Type	Small Pixel Pitch Indoor Full-color LED Display
Display	White Balance Brightness	600cd/sq.m
	Color Temperature	3000-10000 K adjustable
	Viewing Angle	160° (H)/160° (V)
	Contrast Ratio	5000:1
	Color Uniformity	≤ ± 0.003Cx, Cy
	Brightness Uniformity	≥ 97%
Module	Module Resolution	160 × 90

**DS-D4018CW-2FQ**

Cabinet	Pixel Configuration	SMD Triad LED (with glue)
	Pixel Pitch Category	P1.8
	Pixel Pitch	1.875 mm
	Pixel Density	284444 dots/sq.m
	Modules Component	2 × 2
	Dimensions (W × H × D)	600 mm × 337.5 mm × 29.5 mm (23.622" × 13.287" × 1.161")
	Resolution	320 × 180
	Area	0.2025 sq.m
	Weight	3.4 kg (7.5 lb.)
	Cabinet Material	Aluminium die casting
	Maintenance Method	Front maintenance for all components
Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	Up to 3840 Hz
	Grey Level	Up to 16 bit
Power	Max. Consumption	≤ 390 W/sq.m
	Average Consumption	< 130 W/sq.m
	Input Voltage	100~240 VAC ± 10%
Working Environment	Working Temperature	10 ° C to 40 ° C (14 ° F to 104 ° F)
	Working Humidity	10% RH to 60% RH (without condensation)
	Storage Temperature	-20 ° C to 60 ° C (-4 to 140 )
	Storage Humidity	10% RH to 85% RH (without condensation)

**DS-D4018CW-2FQ**

General	Product Dimension (W × H × D)	Module: 4-in-1(443X360X52 mm), 20-in-1 (471X378X266 mm)
	Packing List	Regulatory Compliance and Safety Information × 1 Connecting screws, light beads, driver IC, iron sheets
	Gross Weight	Module: 4-in-1 (1.744 kg), 20-in-1 (8.72 kg); Structure: 1-in-1 (2.8 kg), 5-in-1 (14 kg)
	Net Weight	Module: 4-in-1 (1.224 kg), 20-in-1 (6.120 kg) Structure: 1-in-1 (2.6 kg), 5-in-1 (13 kg)
Bracket	Modular Bracket	standard bracket:DS-DL116033W 1*1;DS-DL226033W 2*2,ultra-thin bracket:DP-D40XXCB22-1X1-Q0.2-NW-Q0.2-ZF



# 1.4 System Topology

System Topology Picture

- Video Cable
- Network Cable
- 5E Cat5e Cable
- Bluetooth
- Power Cable
- USB Cable





# Chapter 2 Installation

## 2.1 Bracket Installation

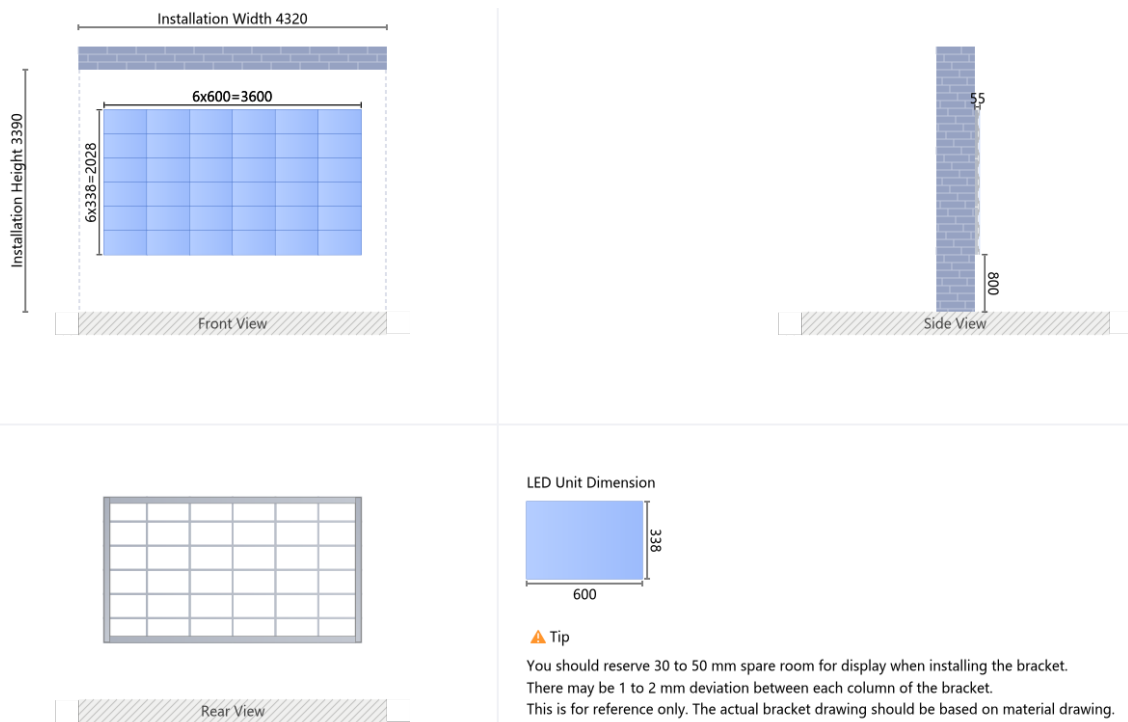
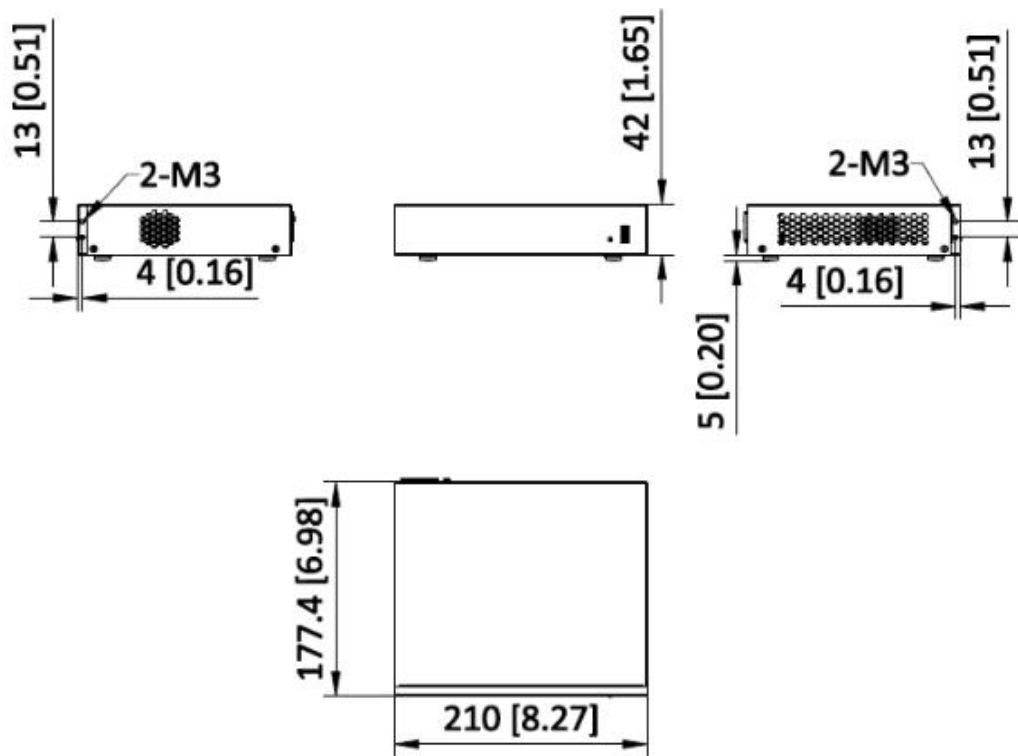


Figure 2.1.1 Bracket Installation



## 2.2 Structural Dimension Diagram

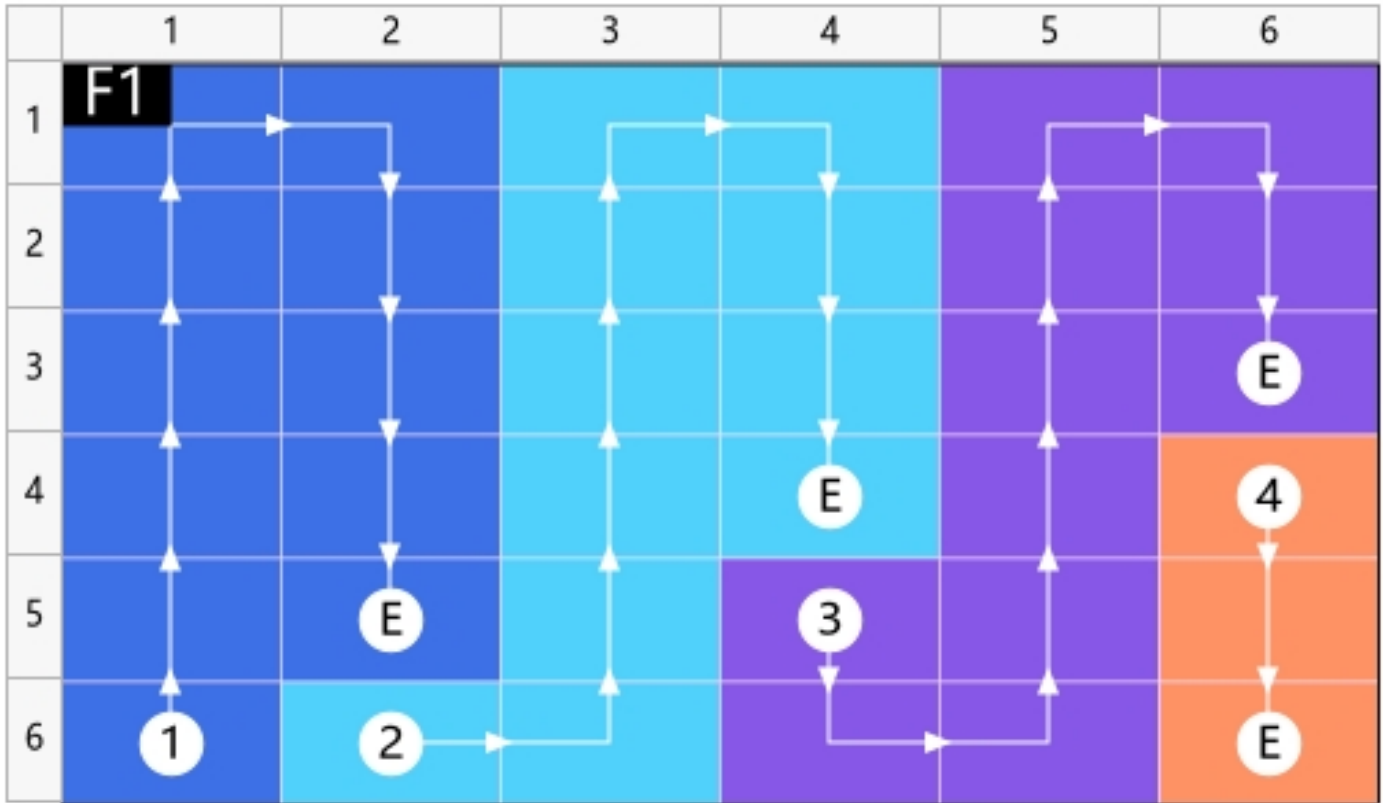


Unit: mm [inch]

Figure 2.2.1 DS-DT60C-01HI04NO Structural Dimension Diagram



## 2.3 Cable Connection



DS-DT60C-01HI04NO

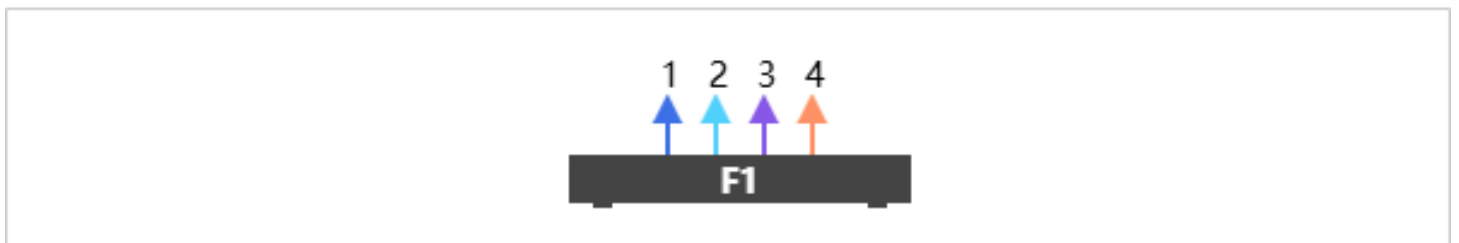


Figure 2.3.1 Display Load Capacity of Network Interface

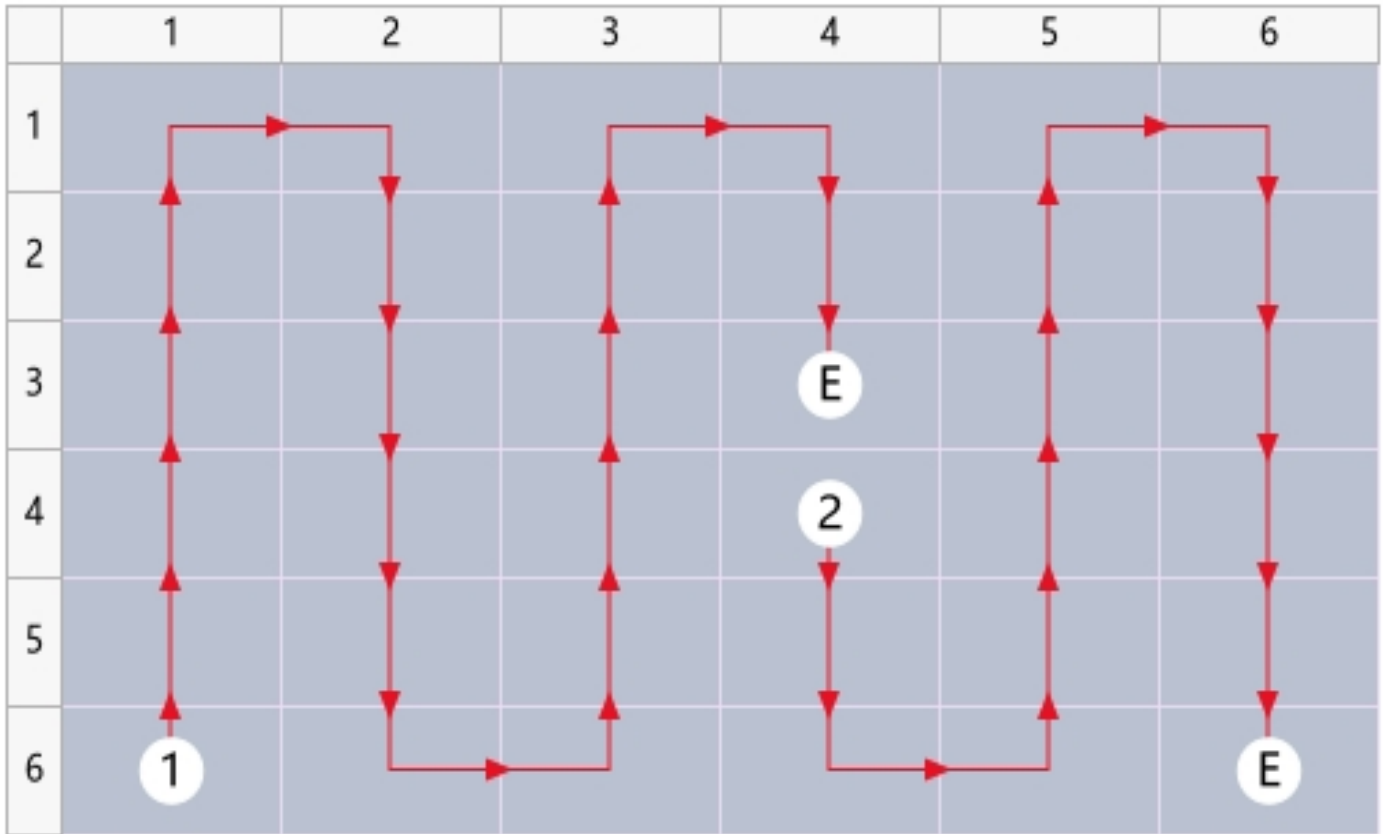


Figure 2.3.2 Display Power Cable Connection

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