

DS-K12-DVLED-135 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

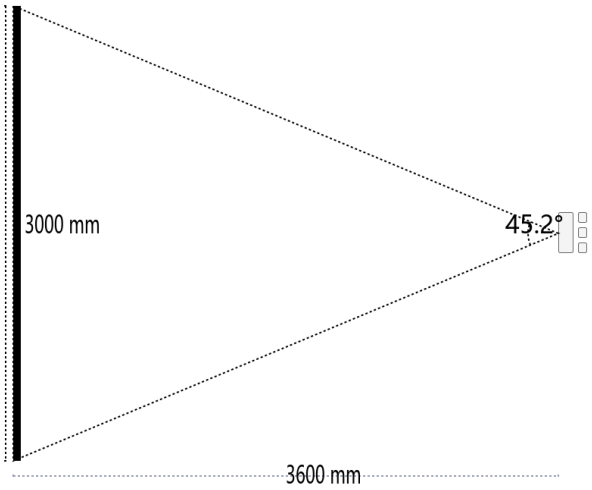


Figure 1.2.1 Side View

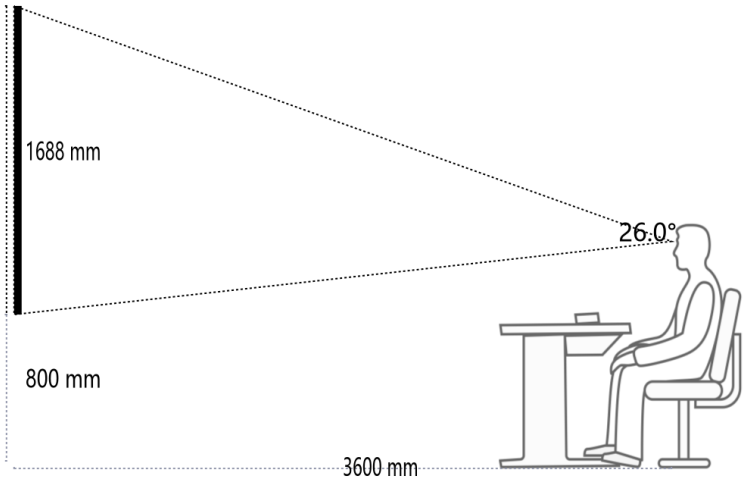


Figure 1.2.2 Vertical View

1.3 Recommended Solution

Table 1.3.1

Product Type	Model	Quantity	Unit	Technical Specs
Display				
LED Module	DS-D4012BW-2FC/A 300*168.75mm Module 317006679	100	PCS	P1.2, COB, 300*168.75mm
Cabinet Frame	DS-D40W-2F 317006689	25	PCS	DS-D40W-2F 600*337.5mm Cabinet Structure
Video Processing System				
LED Controller	DS-DT60V-03HDI12NO/U 336800111	1	PCS	12 Ports 2-in-1 LED Controller
Accessory				
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	5	PCS	CAT6，U/UTP，24AWG，CU
Spare				
Spare LED Module	DS-D4012BW-2FC/A 300*168.75mm Module 317006679	8	PCS	P1.2, COB, 300*168.75mm
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	5 × 5
	Display Quantity	100
Video Wall Dimension	Width × Height	3 m × 1.6875 m
	Size	5.0625 sq.m
	Diagonal Length	135.5"
	Resolution	2400 × 1350
Load Bearing	Video Wall Weight	85 kg
	Bracket Weight	--

Video Wall Parameters		
Power Consumption	Max. Power Consumption	1.26563 kW
	Average Power Consumption	0.42525 kW

Table 1.3.3

DS-D4012BW-2FC		
Product Model	Product Model	DS-D4012BW-2FC
Product Type	Product Type	Fine Pixel Pitch Indoor Full-color LED Display
Cabinet	Pixel Configuration	Flip-chip COB
	Pixel Pitch Category	P1.2
	Pixel Pitch	1.25 mm
	Pixel Density	640000 dots/sq.m
	Modules Component	2 × 2
	Dimensions (W × H × D)	600 mm × 337.5 mm × 29.3 mm (23.622" × 13.287" × 1.154")
	Resolution	480 × 270
	Area	0.2025 sq.m
	Weight	3.4 kg
	Cabinet Material	Aluminium die casting
	Maintenance Method	Front maintenance for all components
Module	Dimensions	300 × 168.75 mm
	Module Resolution	240 × 135

DS-D4012BW-2FC		
Display	White Balance Brightness	600 cd/sq.m
	Color Temperature	3000-10000 K adjustable
	Viewing Angle	160° (H)/160° (V)
	Contrast Ratio	10000:1
	Color Uniformity	⩽ ± 0.003Cx，Cy
	Brightness Uniformity	⩾ 97%
Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	3840 Hz
	Grey Level	16 bit
Power	Max. Consumption	⩽ 250 W/sq.m （600nits）
	Average Consumption	⩽ 84 W/sq.m
	Input Voltage	100~240 VAC ± 10%
Working Environment	Working Temperature	-10 ℃ to 40 ℃ (14 to 104)
	Working Humidity	10% to 90% RH (without condensation)
	Storage Temperature	-20 ℃ to 60 ℃ (-4 to 140)
	Storage Humidity	10% to 90% RH (without condensation)
General	Package Dimensions (W × H × D)	Module: 4-in-1(443X360X52mm) Structure: 5-in-1(708X393X433mm)
	Packing List	Regulatory Compliance and Safety Information × 1 Connecting screws, driver IC, iron sheets
	G.W.	4.56 kg（1 package in 1 box）
	Net Weight	3.4 kg
Bracket	Modular Bracket	standard bracket:DP-D40XXCB22-1X1-Q0.3-NW-Q0.3-HC 1*1;DP-D40XXCB22-2X2-Q0.8-NW-Q0.8-HC 2*2,ultra-thin bracket:DP-D40XXCB22-1X1-Q0.2-NW-Q0.2-ZF

Chapter 2 Installation

2.1 Structural Dimension Diagram

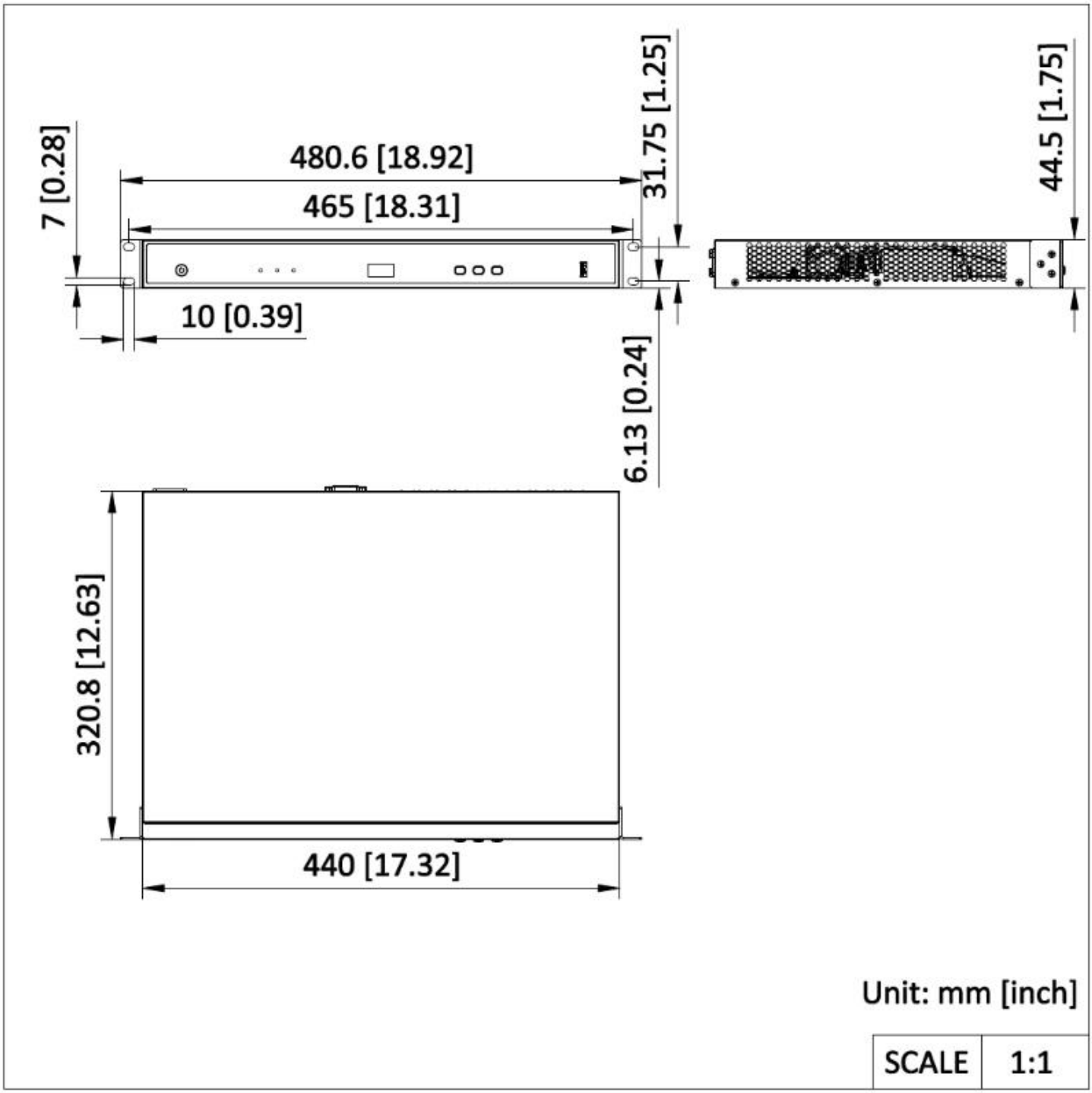
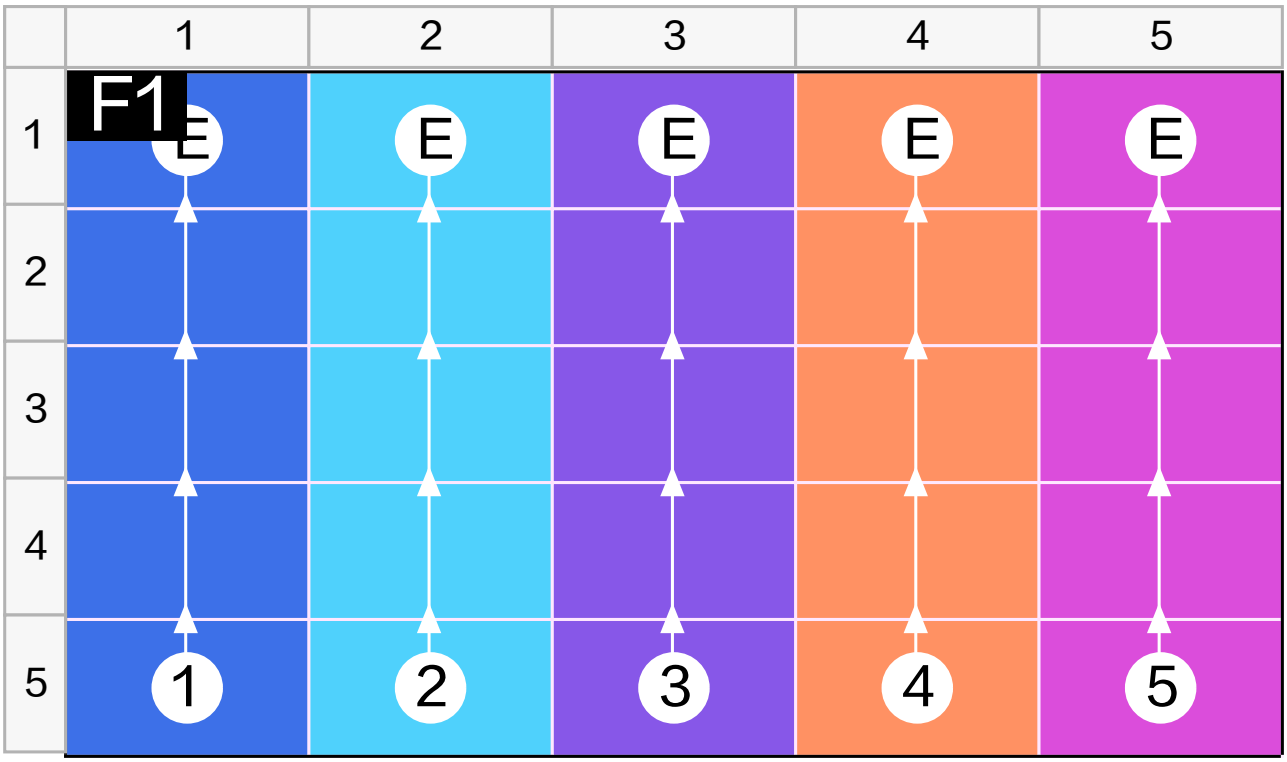


Figure 2.1.1 DS-DT60V-03HDI12NO/U Structural Dimension Diagram

2.2 Cable Connection



DS-DT60V-03HDI12NO/U

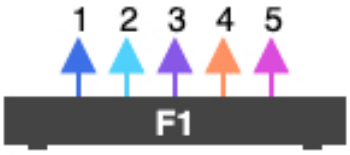


Figure 2.2.1 Display Load Capacity of Network Interface

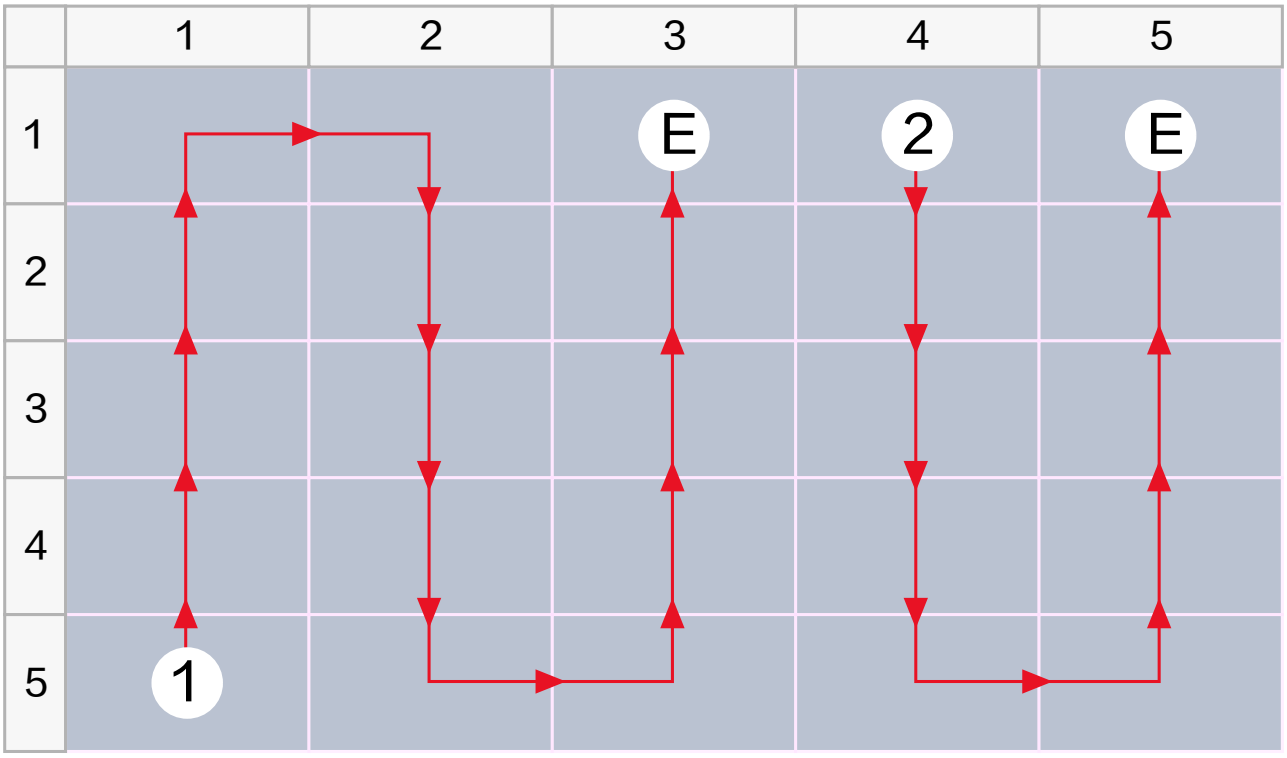


Figure 2.2.2 Display Power Cable Connection

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