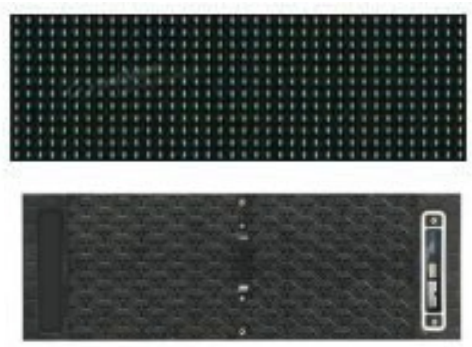
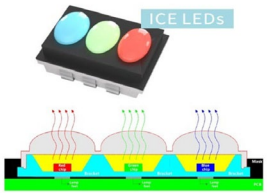
INTRODUCTION TABLE FOR VMS P20, SMD LED (ICE LED), 7680MM X 1280 MM

CS/VA-ICE/30-768/128

1. Module Parameters



Pixel Pitch	20 mm (P20)
Pixel Composition	1R1G1B
Pixel LED	SMD LED (ICE LED) 
Size (W x H)	480mm x 160mm
Resolution	24 pixel x 8 pixel
Module Type	Ventilated
Control Method	Static
Application	Outdoor (IP66)

2. Cabinet Parameters

Display size (mm)	W:960 x H:1280 x D:100		
Cabinet Resolution	48 pixel x 64 pixel		
Module Quantity per Cabinet (W x H)	2 module x 8 module		
Cabinet Type	Outdoor		
Weight	< 40kg/m^2		
Protection Level	IP66		
Maintenance Type	Rear		
Metarial Cabinnet	2mm Thick-Aluminum	**Installation Accessories**	Complete

3. VMS Board Parameters

Pixel Density	2500 dots/m2	**Display Color**	Full color
Input Voltage	220VAC	**Operating Temp.**	-20°C ~ +60°C
Maximum Power Consumption	< 3000W	**Working Hum.**	0% ~ 99%
Viewing Angle	Comply with EN12966 Class B6	**Communication Distance**	CAT6 Cable <100m FO Cable >100m
Brightness	Comply with EN12966 Class L3/ L3*	**Communication Protocol**	TCP/IP
Brightness Adjustment	0-100 levels Automatic/Manual	**Connection Ports**	RS232/RS485, Ethernet (FO, RJ45)

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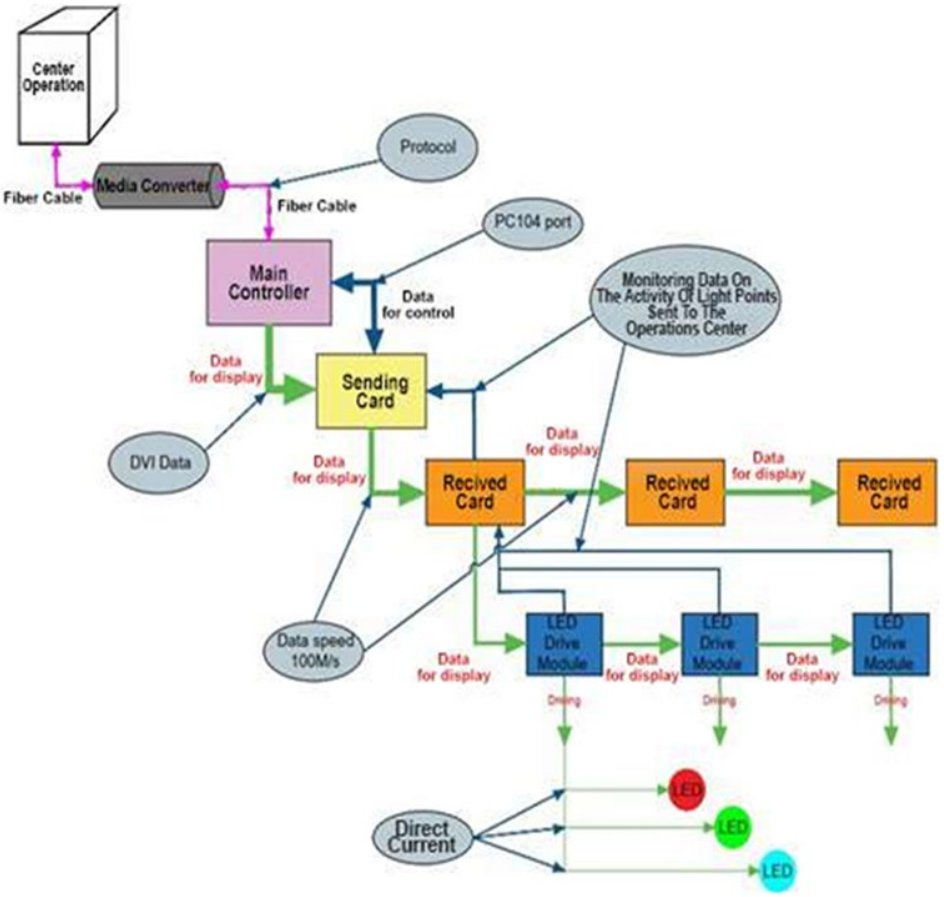
3. VMS Board Parameters			
Lifespan	≥ 100,000 hours		
Test Mode	High Temperature Warning, High Temperature Error, Power Supply Error, Image Sensor Error, Pixel Error Detected, Connection Error, Cabinet Door Open Detected, Remote Power Control (On/Off), Pixel Fault Location & Color Detection		
System Operation	CHIPSHOW, Windows 10/11, support: API/SDK, English, Vietnamese		
Outer Frame Material	120mm profile, 2mm Thick-Aluminum, Powder coated		
LED Part Size (WxH)	7680mm x 1280mm	7680mm x 1280mm = 9,8304m^2	
Total Size (WxH)	7920mm x 1520mm	7920mm x 1520mm = 12,0384m^2	
Number of Pixels (pixel)	384(W) x 64 (H)	**Number of Cabinets**	8(W) x 1(H) = 8 pcs

4. Data Transmission Mode Model for Electronic Board, Error Detection, and Transmission of Detected Errors

The data transmission mode model for the electronic board, error detection, and transmission of detected errors to the operator is described as in the figure below:

- The data transmission path for the electronic board follows the arrow direction from the control center to the LED drive modules.

- The data transmission path following the arrow direction from the LED drive modules back to the control center is the path for reporting the status of the LEDs.



Data transmission mode model for the VMS board, including error detection and transmission of detected errors to the operator

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5. Packaging Image			
Carton Case		Flight Case (if required)	

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