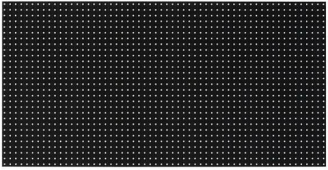INTRODUCTION TABLE FOR VMS P10, SMD LED, LED MATRIX 1760MM x 1280MM

VA-WIM-VMS/176/128/P10/30

1. Module Parameters

Pixel Pitch	10 mm (P10)
Pixel Composition	1R1G1B
Pixel LED	SMD LED
Size (W x H)	320mm x 160mm
Resolution	32 pixel x 16 pixel
Control Method	Scan 1/4
Application	Outdoor (IP66)

2. Cabinet Parameters

Display size (mm)	H:1760xW:1280xD:100
Cabinet Resolution	H:176 pixel x W:128 pixel
Module Quantity per Cabinet (H x W)	11 module x 4 module
Cabinet Type	Outdoor
Weight	< 40kg/m²
Protection Level	IP66
Maintenance Type	Rear

Outer Frame Material	70x70mm, 2mm Thick-Aluminum, powder coated	Installation Accessories	Complete

3. VMS Board Parameters

| Pixel Density	10000 dots/m²	Display Color	Full color
Input Voltage	220VAC	Operating Temp.	-20°C ~ +60°C
Maximum Power Consumption	< 500W	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)
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		

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3. VMS Board Parameters			
System Operation	CHIPSHOW, Windows 10/11, support: API/SDK, English, Vietnamese		
LED Part Size (HxW)	1760mm x 1280mm	1760mm x 1280mm = 2,2528 m²	
Total Size (HxW)	1900mm x 1420mm	1900mm x 1420mm = 2,6980 m²	
Number of Pixels (pixel)	176 (H) x 128 (W)	Number of Cabinets	1 (H) x 1 (W) = 1 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.
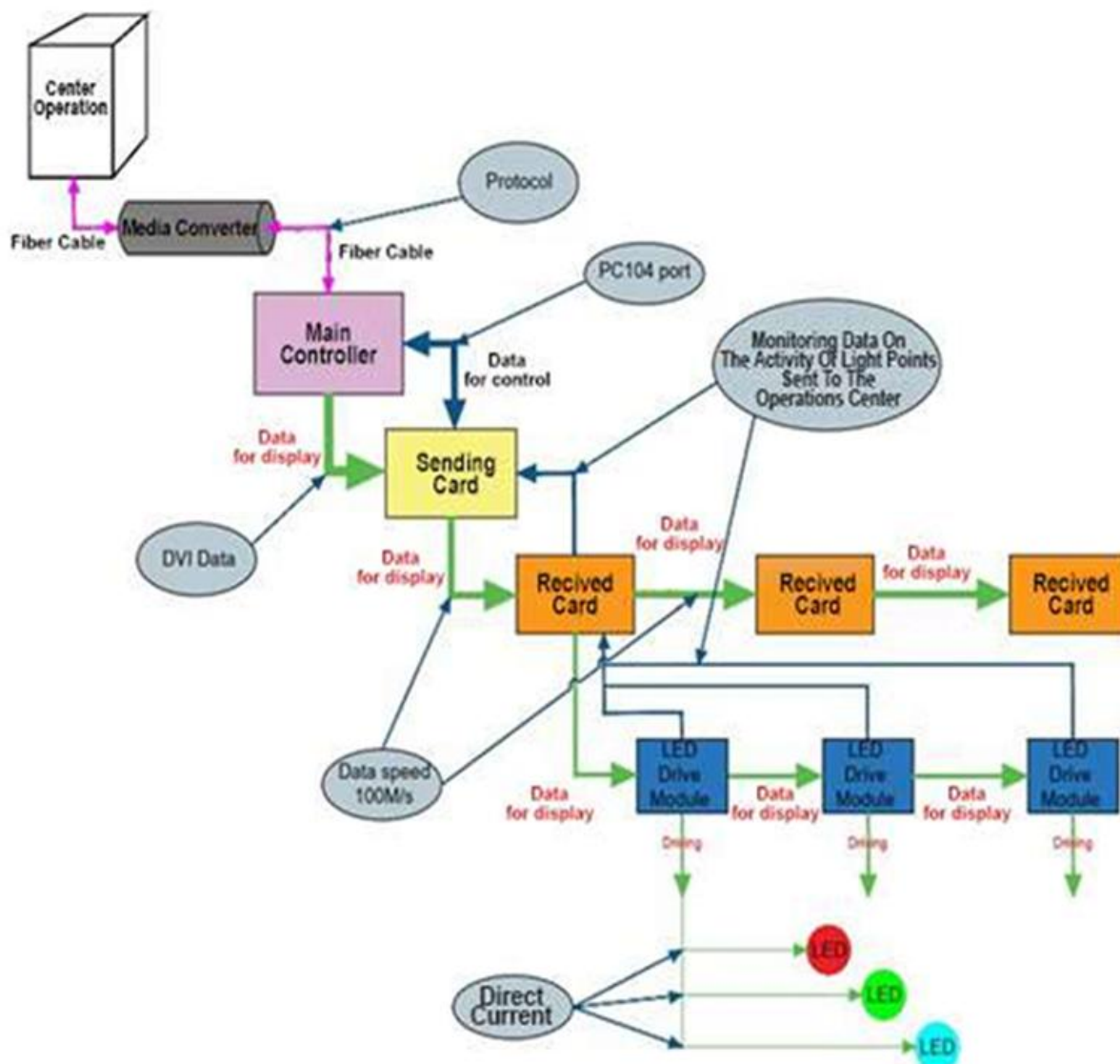
Data transmission mode model for the VMS board, including error detection and transmission of detected errors to the operator

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5. Packaging Image

Carton Case		Flight Case (if required)	

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