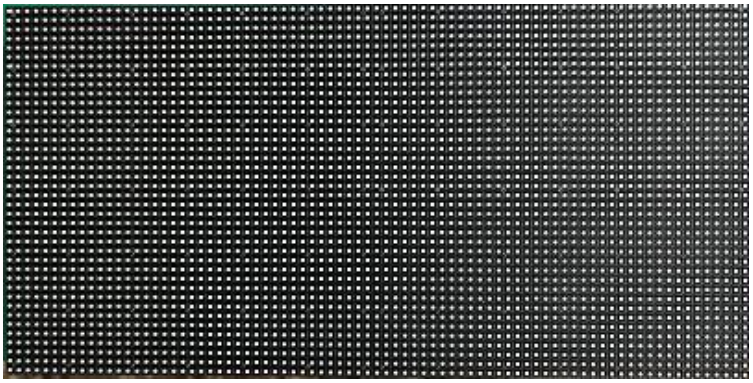
Indoor XYS Series Flexible Full-Color LED Display

VT-XYS1.2/VT-XYS1.5/VT-XYS1.8

VT-XYS2/VT-XYS2.5/VT-XYS3



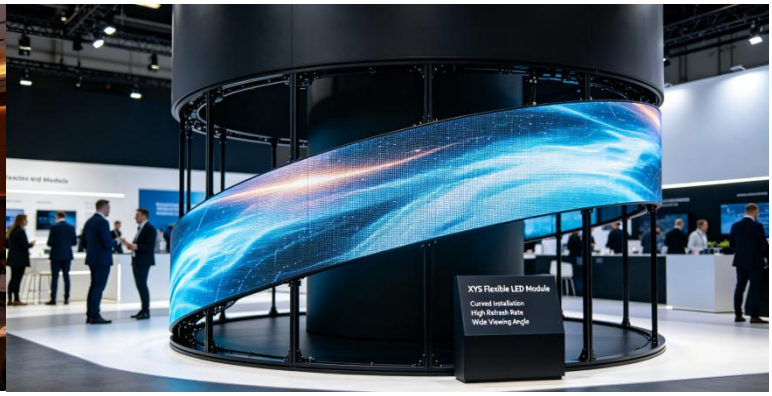
Product Overview

XYS series flexible LED modules adopt flexible PCB and silicone back shells to support curved mounting with arbitrary bending, perfectly suited for artistic shaped screens. Featuring ultra-slim 7.5 mm thickness, the modules realize quick tool-free magnetic installation and convenient maintenance. They offer 160° vertical and 140° horizontal viewing angles, 14-bit high color depth and maximum 3840 Hz refresh rate for vivid, flicker-free visuals. Built with distributed scanning and modular structure, the products ensure outstanding stability and reliability. Widely applied in cylinders, curved and streamlined display projects for exhibitions, sports venues, conferences, film & television, architectural decoration and advertising.

Suitable for applications including:

- ✔ Commercial display terminals
- ✔ Digital advertising and media platforms
- ✔ Public information kiosks
- ✔ Command and control centers
- ✔ Conference and presentation rooms
- ✔ Broadcast studios and TV production sites
- ✔ Education and training venues





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VT-XYS1.2/VT-XYS1.5/VT-XYS1.8

VT-XYS2/VT-XYS2.5/VT-XYS3

Key Features

1. Flexible PCB with silicone backing, supports arbitrary curved installation for creative shaped displays
2. Ultra-slim module thickness up to 7.5 mm, saves installation space
3. Magnetic adsorption mounting, tool-free quick assembly and easy maintenance
4. Wide viewing angle: 160° vertical, 140° horizontal
5. 14-bit high color depth, presents rich and lifelike color performance
6. Max. 3840 Hz high refresh rate, flicker-free and smooth image output
7. Distributed scanning & modular design, excellent reliability and stability
8. Adaptable for cylindrical, curved and streamlined display projects

Technical specifications

Model	VT-XYS1.2	VT-XYS1.5	VT-XYS1.8	VT-XYS2	VT-XYS2.5	VT-XYS3
Pixel Pitch (mm)	1.25	1.538	1.86	2	2.5	3.076
Pixel Density (dots/m²)	640000	422500	288906	250000	160000	105626
Module Resolution (W × H)	256*128	208*104	172*86	160*80	128*64	104*52
Module Dimensions (W × H × D)	320*160*7.5mm					
Driving Method	Constant-current drive, 1/64 scan	Constant-current drive, 1/52 scan	Constant-current drive, 1/43 scan	Constant-current drive, 1/40 scan	Constant-current drive, 1/32 scan	Constant-current drive, 1/26 scan
Weight (g per sheet)	304	270	251	250	265	458
Minimum Cylinder Diameter	1833mm	1222mm	611mm		407mm	
Flatness (mm)	≤0.5					
Grayscale Level	14bit					
Pixel Center-to-Center Distance Tolerance	≤1%					
Brightness Uniformity	≥95%					
Color Temperature	≤9000K					
Viewing Angle	Horizontal 160° / Vertical 140°					
White Balance Brightness (cd/m 簡)	≥500	≥600		≥700	≥650	≥600
Contrast Ratio	6000:01:00					
Frame Frequency	60Hz					
Refresh Rate	≥3840Hz					
Input Power Supply	AC110~240V±10%,50/60Hz					
Operating Voltage	DC4.5V					
Maintenance Method	Front Maintenance					
Supported Installation Curvature	Inner/Outer Curvature ≥ 170°	Inner/Outer Curvature ≥ 165°	Inner/Outer Curvature ≥ 150°		Inner/Outer Curvature ≥ 135°	