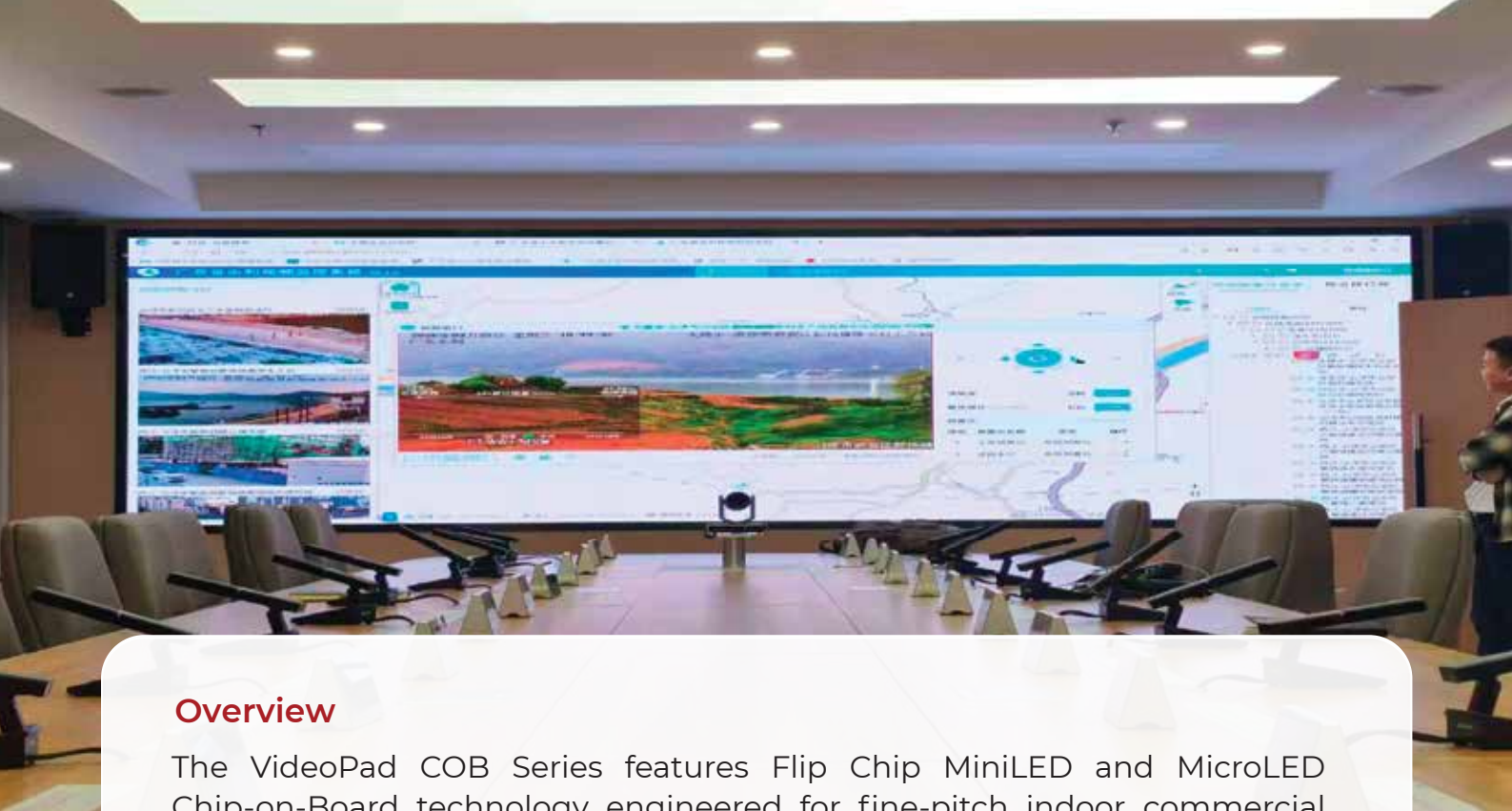


VideoPad **COB** Series

Advanced Flip Chip LED Performance.
Superior Indoor Visual Experience.





Overview

The VideoPad COB Series features Flip Chip MiniLED and MicroLED Chip-on-Board technology engineered for fine-pitch indoor commercial display environments. Housed in a slim, lightweight die-cast aluminum cabinet with native 16:9 aspect ratio support, it delivers flicker-free visuals, robust IP65 front protection, and complete front-service capability across fine pixel pitches down to 0.78mm.

KEY ADVANTAGES

Flip Chip MiniLED & MicroLED COB



Technology Utilizes Flip Chip Chip-on-Board packaging to achieve high pixel density up to 1,638,400 dots/m², high durability, and superior picture depth.

Robust IP65 Protection



Delivers IP65 front ingress protection paired with IP43 rear rating, safeguarding screen surfaces against dust, moisture, and physical contact.

Native 16:9 Modular Architecture



Standardized 600 x 337.5 x 31.5mm die-cast aluminum cabinet natively scales into standard 2K, 4K, and 8K visual solutions.

High Refresh Rate



Offers high-end LED driver performance with refresh rates ranging from 3840Hz to 7680Hz to eliminate visual flickering in broadcast setups.

Full Front Maintenance



Designed with complete front-access serviceability to streamline installation and maintenance in space-constrained indoor environments.

170° Viewing Angles



Features 170-degree horizontal and vertical viewing angles with a 10,000:1 contrast ratio for color accuracy across wide viewing distances.

Technical Specifications

VideoPad COB · 0.78 | 0.93 | 1.25 | 1.56 | 1.87 mm pixel pitch

	LED Type	MiniLED / MicroLED Flip Chip COB				
	Pixel Pitch (mm)	0.78	0.9375	1.25	1.56	1.87
Mechanical Parameters	Module Resolution (Pixels)	192 x 216	160 x 180	120 x 135	96 x 108	80 x 90
	Module Size (mm)	150 (W) × 168.75 (H)				
	Cabinet Size (mm)	600 x 337.5 x 31.5				
	Cabinet Resolution (pixels)	768 x 432	640 x 360	480 x 270	384 x 216	320 x 180
	Cabinet Area (m²)	0.2025				
	Cabinet Weight (kg)	≤ 26.8 KG per sq meter				
	Pixel Density (dot/m²)	1,638,400	1,137,777	640,000	409,600	284,444
	Flatness (mm)	≤0.1				
	Ingress Protections (IP)	65 Front / 43 Rear				
	Maintenance	Front only				
	Brightness (nits) @ 6500K	600 - 800				
Optical Parameters	Color Temperature (K)	3200-9300 adjustable				
	Viewing Angle (H/V)°	170°/170°				
	Center Point Deviation	<3%				
	Brightness/Color Uniformity	≥97%				
	Contrast Ratio	10,000:1				
Electrical Parameters	Max/Avg. Power Consumption	330 (Max), 150 (Average)(W/pc)				
	Voltage Range	VAC100-240V, 50/60 (Hz)				
Processing Performance	Frame Rate (Hz)	50 & 60				
	Drive Mode	Constant Current Drive				
	Gray Scale	14-16 bits				
	Refresh Rate (Hz)	3840 - 7680				
	Color Figures	14-16 bit				
Operating Parameters	Life Time (hrs)	100,000 hrs				
	Operating Temperature /Humidity Range (°C/RH)	-10 - 40/10%-80% (non-condensing)				
	Storage Temperature /Humidity Range (°C/RH)	-20 - 60/10%-85% (non-condensing)				