



Empowering Defense with COB LED Video Wall Technology

A Strategic Visualization Solution by Maxtell (India)

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| Projection Technology (Past) Used front/rear projection with visible bezels, low brightness, and limited resolution. Frequent maintenance made it unsuitable for 24/7 operations. | SMD LED Technology (Transitional) Brought better brightness and modular displays but had exposed diodes, limited pixel pitch, and less durability in high-performance environments. | COB LED Technology (Current) Advanced packaging bonds LED chips directly to the board, creating a seamless, ultra-fine, rugged, and maintenance-friendly display system. |

Advantages of COB Technology

Superior clarity, high durability, and zero-bezel performance for mission-critical operations

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| Seamless Viewing No visible bezels, ideal for wide video wall layouts. | Seamless Viewing No visible bezels, ideal for wide video wall layouts. | Seamless Viewing No visible bezels, ideal for wide video wall layouts. |
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| World-Wide Application Many installations still use legacy projection or SMD tech. | Practical Benefits Faster threat response and Enhanced situational awareness Multi-source video/data integration on a single seamless display | Indian Defense Context Many installations still use legacy projection or SMD tech. COB offers significant upgrades in clarity, reliability, and operational uptime. |
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Potential Applications

- Control Centers
Real-time surveillance, situational monitoring, and operational coordination.
- KNOB Rooms
Strategic meetings, high-security briefings, inter-agency coordination.
- Command Rooms
Tactical and field-level command operations with map/data visualization.
- Ops Rooms (Operations Rooms)
Live mission execution, alert response, and coordination
- Disaster & Weather Monitoring Rooms
Live climate, geospatial, and emergency feed analysis.
- Air & Naval Traffic Control Rooms
Navigation, flight tracking, and radar data visualization.



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| PROJECTION Designed to suit varied command room sizes and operational demands. | SMD Nationwide service and rapid maintenance response. | COB Delivered mission-critical display projects for infrastructure, corporate, and government clients. |
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Maxtell
LED Display Company

Thank You!

Empowering Strategic Operations with Reliable Visual Intelligence
Presented by: Maxtell (India)

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