

ZUPER LED[®]

Adds Unlimited Colours...

DATAWALLTM

ENTERPRISE VISUALIZATION PLATFORM

FOR MISSION-CRITICAL OPERATIONS



NATIVE 4K UHD
3840 x 2160



7680Hz
REFRESH RATE



COB ULTRA-FINE PITCH
P0.9 / P1.2



**DUAL POWER &
DATA REDUNDANCY**



**18-BIT COLOR
PROCESSING**



**100,000 HOURS
LIFETIME**



**18,000:1
CONTRAST RATIO**



**24x7
MISSION CRITICAL**



**CONTROL
ROOMS**



NOC / SOC



**COMMAND
CENTERS**



BOARDROOMS



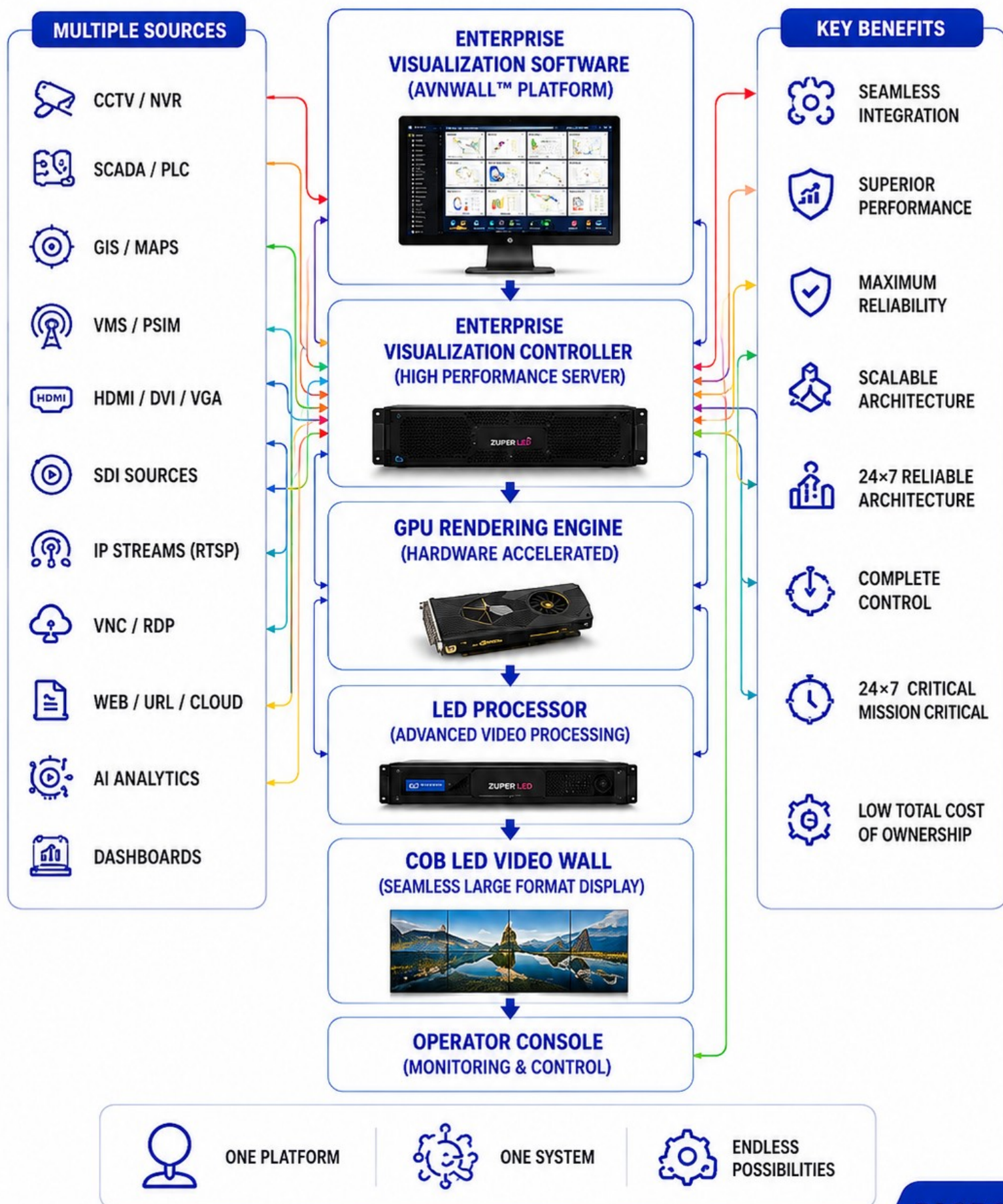
**EXPERIENCE
CENTERS**



**CORPORATE
SPACES**

THE COMPLETE DATAWALL SOLUTION

One Platform. Endless Possibilities.



ENTERPRISE COB LED DISPLAY

Ultra-Fine Pitch. Superior Performance.



KEY SPECIFICATIONS

 Pixel Pitch	P0.9 / P1.2	 Lifetime	≥ 100,000 Hours
 Pixel Configuration	1R1G1B (COB)	 Dimming	0 – 255 Levels
 Pixel Density	1,234,567 / 684,444 pixels/m ² (P0.9 / P1.2)	 Grayscale	16,384 Levels
 Brightness	≥ 1200 nits	 Color Temperature	2800K – 10000K (Adjustable)
 Contrast Ratio	≥ 18,000 : 1	 IP Rating (Front)	IP50 or better
 Refresh Rate	≥ 7680 Hz	 Service Access	Front Service
 Color Processing	18 Bit or Higher	 Operating Temp.	-10°C to +40°C
 Viewing Angle	H: 170° / V: 170°	 Operating Humidity	10% – 90% RH

BUILT FOR RELIABILITY

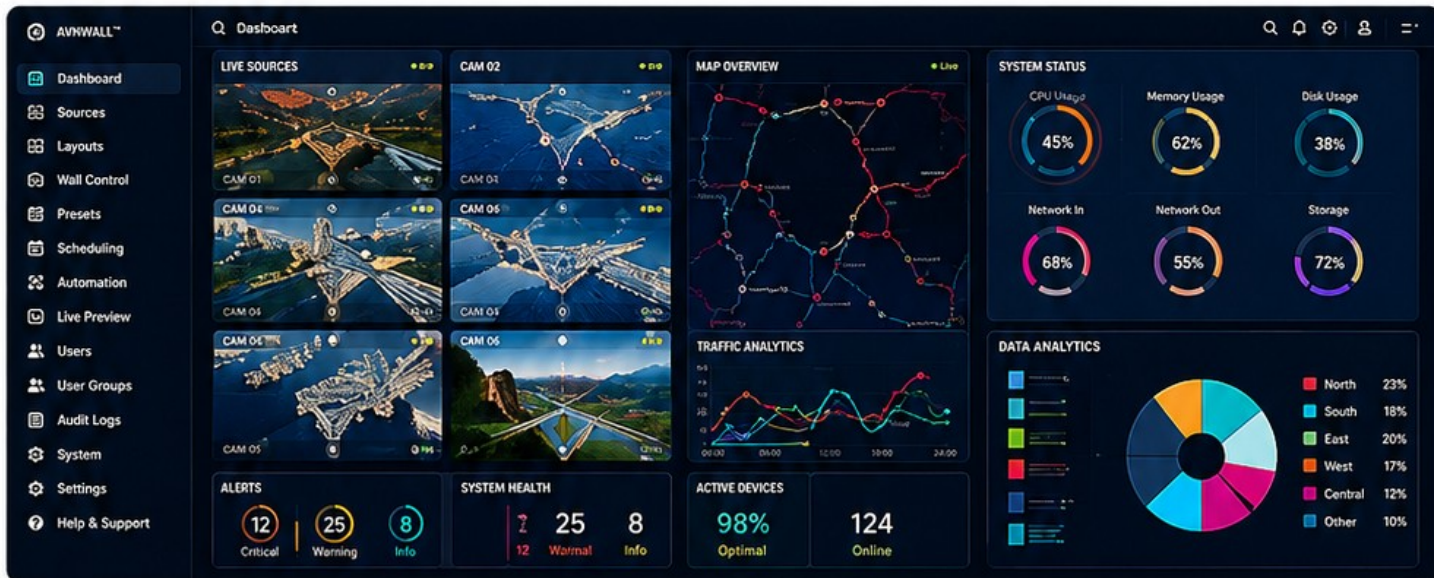
 Chip on Board (COB Technology)	 Front Service Access	 Continental Control PCB (Rear Side)	 Die Cast Aluminium Cabinet
 Dual Power Input (AC 100–240V)	 Dual Data Port (Redundant)	 Dual Receiving Card (Redundant)	 Cable-less Redundancy with Auto Failover

CERTIFICATIONS



ENTERPRISE VISUALIZATION SOFTWARE

Intelligent. Flexible. Powerful.



CORE FEATURES

-  Drag & Drop Interface
-  Unlimited Windows & Layouts
-  Multi-Source Integration
-  Presets & Layout Management
-  Scheduling & Automation
-  Live Preview
-  Automatic Source Detection
-  Remote PC Control (VNC / RDP)
-  Real-time Data Visualization
-  Annotation & Snapshot
-  Brightness & Contrast Enhancement
-  Aspect Ratio Lock & Scaling
-  AI Assisted Layout (Future Ready)

ENTERPRISE FEATURES

-  Active Directory / LDAP
-  Role Based Access Control
-  Audit Logs & Reports
-  HTTPS Secure Communication
-  SNMP Monitoring
-  REST API & SDK
-  Multi-User Collaboration
-  Event & Alarm Management
-  Centralized Configuration
-  AI Ready Architecture

SUPPORTED PLATFORMS



Windows
Server / Client



Linux
(Ubuntu)



Virtual
Environment

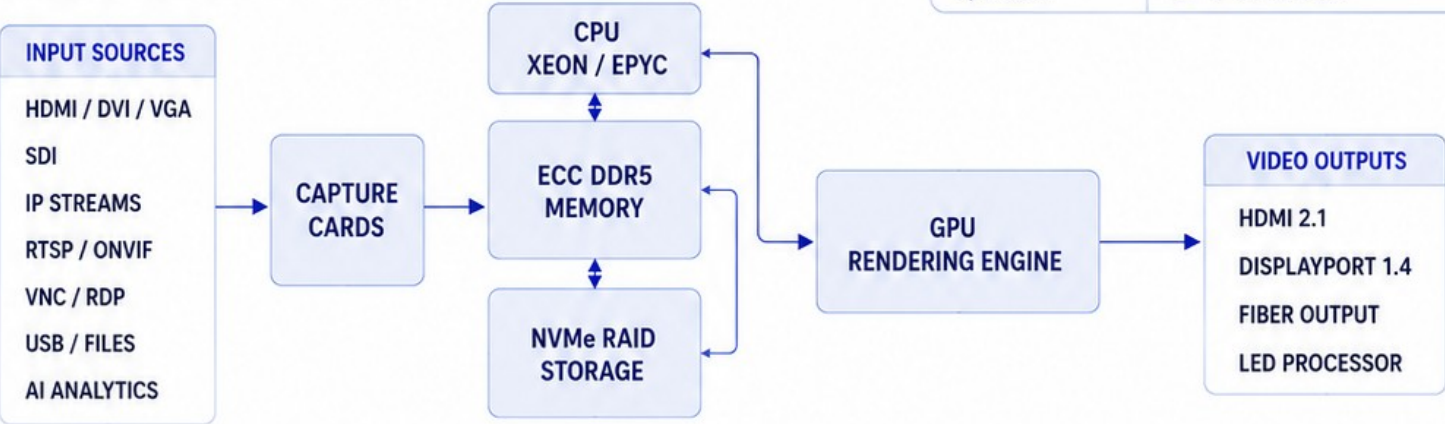
ENTERPRISE VISUALIZATION CONTROLLER

High Performance. Mission Critical.



HARDWARE SPECIFICATIONS	
Processor	Intel® Xeon® Silver / Gold or AMD EPYC™
Memory	64GB ECC DDR5 (Expandable up to 256GB)
Storage	2 x NVMe SSD (RAID 1) 2 x 4TB SSD (RAID 1)
Graphics	NVIDIA RTX Professional (8000 / A6000 Ada)
Operating System	Windows Server / Linux
Form Factor	4U Industrial Rackmount
Power Supply	Dual Redundant PSU
Cooling	Redundant Hot Swap Fans
Management	IPMI 2.0 / iDRAC / iLO
Operation	24×7 Continuous

HARDWARE ARCHITECTURE



ENTERPRISE FEATURES

- Active Directory / LDAP
- Role Based Access Control
- Audit Logs & Reports
- HTTPS Secure Communication
- SNMP Monitoring
- REST API & SDK
- Multi-User Collaboration
- Event & Alarm Management
- Centralized Configuration
- AI Ready Architecture

KEY HIGHLIGHTS

- GPU ACCELERATED
- 12× HDMI 2.1 SUPPORT
- 8G INPUT SUPPORT
- DUAL 10GbE NETWORK
- REDUNDANT POWER SUPPLY
- HOT SWAP FANS
- INDUSTRIAL GRADE

APPLICATIONS & USE CASES

Transforming Visualization Across Industries



**COMMAND & CONTROL
CENTERS**



**NOC / SOC
CENTERS**



**DEFENCE & MILITARY
OPERATIONS**



**AIRPORTS & AVIATION
OPERATIONS**



**RAILWAY COMMAND
CENTERS**



**SMART CITY
OPERATIONS**



**UTILITIES & ENERGY
MONITORING**



**MANUFACTURING
CONTROL ROOMS**



**EXPERIENCE
CENTERS**

ONE SOLUTION. MULTIPLE POSSIBILITIES.



AI ANALYTICS



DIGITAL TWIN



GIS MAPPING



**VIDEO
CONFERENCING**



DASHBOARDS



**LIVE DATA
FEEDS**

TECHNICAL SPECIFICATIONS

Comprehensive Details for Mission-Critical Deployments

LED DISPLAY

Pixel Pitch	P0.9 / P1.2
Pixel Config.	1R1G1B (COB)
Brightness	≥ 1200 nits
Contrast Ratio	≥ 18,000 : 1
Refresh Rate	≥ 7680 Hz
Color Processing	18 Bit
Lifetime	≥ 100,000 Hours
Service Access	IP50
IP Rating (Front)	IP50

SOFTWARE

Max Windows	Unlimited
Layout Mgmt.	Presets, Scheduling
Source Support	HDMI, SDI, IP, RTSP, VNC, RDP, Nive, Files, Apps
Live Preview	Yes
Remote Mgmt.	Yes
Security	AD / LDAP / HTTPS
API	REST API & SDK
Monitoring	SNMP / Logs / Alarms

CONTROLLER

CPU	Intel Xeon / AMD EPYC
Memory	64GB ECC DDR5
Storage	NVMe SSD RAID1
GPU	NVIDIA RTX Professional
Network	2 × 10GbE + 2 × 1GbE
Video Outputs	HDMI / DP / Fiber
Power Supply	Dual Redundant (100–240V AC)
Cooling	Redundant Hot Swap Fans
Mgmt.	IPMI / iDRAC / iLO

LED PROCESSOR

Inputs	HDMI 2.0 / DP 1.4 / Fiber
Outputs	4K / Multi-layer
Processing	High Performance
Color Enhancement	Yes
Rack Mountable	1U

CERTIFICATIONS & COMPLIANCE

 BIS Certified	 CE	 FCC	 RoHS Compliant	 EMC Compliant	 ISO 9001:2015	 ISO 14001:2015
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WHY CHOOSE ZUPER DATAWALL?

Your Trusted Partner in Enterprise Visualization



END-TO-END OEM SOLUTION

Complete ecosystem of display, controller, software & engineering.



INDIGENOUS ENGINEERING

Designed & manufactured in India with global quality standards.



MISSION CRITICAL RELIABILITY

Built for 24x7 continuous operations with redundant architecture.



OPEN ARCHITECTURE & APIS

Easy integration with third-party systems and future scalability.



AI READY PLATFORM

Supports AI analytics, machine learning & advanced dashboards.



CYBER SECURE

Enterprise-grade security with AD, LDAP, HTTPS & role management.



SCALABLE & FLEXIBLE

From single screen to large video wall deployments.



LOW TOTAL COST OF OWNERSHIP

High-reliability, long life & low maintenance design.



COMPREHENSIVE SUPPORT

Pan India service network with AMC & spares support.



MAKE IN INDIA

Proudly designed, engineered and manufactured in India.



24x7
SUPPORT

SERVICE • SUPPORT • SUCCESS



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