Stellarview

CM5 Processing Module



Key Features

- Quad-core 64-bit Arm Cortex-A76 Processor @ 2.4 GHz
- 4 GB LPDDR4X-4267 ECC Memory
- 128 GB NVMe Storage (Expandable up to 1 TB)
- Gigabit Ethernet with IEEE 1588 Support
- Multi-Camera Stream Processing
- Real-Time Device Monitoring
- On-Premise Data Retention
- Centralized Reporting & Analytics
- User Access & Permission Management
- Industrial Operating Temperature Range (-20°C to +85°C)

Stellarview

Compute Module 5

Parameter	Description
Product Type	Edge based tracking dashboard for vehicles
Processor	Broadcom BCM2712 quad-core 64-bit Arm Cortex-A76 (Armv8) @ 2.4 GHz
RAM	4 GB LPDDR4X-4267 SDRAM with ECC
Storage (eMMC)	128GB Base NVME(Expandable to 256GB/512GB/1TB)
Ethernet	Gigabit Ethernet PHY with IEEE 1588 support
Operating Temperature	-20 C to +85 C
Power Supply	230V AC Supply
Required Power Consumption	4.5W 5V
IO Case (Metal Enclosure with Active Cooling)	
Form Factor	170 mm x 94 mm x 28 mm; approx. 350 g
Material	Sheet metal (two-piece construction)
Fan Type	DC brushless fan, PWM controlled with tachometer feedback
Multi-Camera support	Access to multiple camera streams on a single dashboard hosted locally
Live View	Yes
Visitor Registration	Yes
User Management	Allows adding users with permission control
Whitelist and Blacklist	Real-time reflection of entries in the database, Addition, Editing, Deletion
Bulk Upload	Allows bulk upload of CSV/XLSX format
Owner Types	Addition of multiple owner types (Residents, Tenants, Vendors)
Connectivity	Runs on local network
Data Security	On premise data retention
Device Monitoring	Monitor device temperature
Reports	Centralized report generation for all entry and exit points