



VCM V12-2 ^{Special Edition}

The Most Revolutionary Vehicle Mount Computer Ever Created

EXCELLENT 1 TOPS PERFORMANCE

SUPER FAST 5G CONNECTIVITY



1T Computing Power



Dual Systems



5G Communication



CAN
Socket CAN



Ultra-Thin Bezel
Anti-Glare Display



Ethernet



ADC

STUNNING ANTI-GLARE DISPLAY

12" Capacitive Multi-Touch Screen
Ultra-Bright 750+ Nits
Sleek Bezel-less Design
Crisp 1280x800P Resolution
Anti-Glare Display

FLEXIBLE CP-COMM ARCHITECTURE

Strong Performance, Superior Communication
Multiple-Platform Support: OS (Android/Linux), Soc (Rockchip, Allwinner, Qualcomm)
Component-Based Software Development
Simplified Expansion & Integration

ROBUST IP67 PROTECTION

Dustproof: Complete Dust Ingress Prevention
Water Resistant: Safeguarded Against Powerful
Water Jets & Waves

INTUITIVE CONNECTIVITY 5G PIONEER

Seamless 4G/5G Wireless Connectivity
Exceptional Quality in Low-Signal Areas
Integrated Antenna & Gigabit Ethernet
SocketCAN Support

UNRIVALLED CAPABILITIES

Quad-Core 64-bit Cortex-A55 CPU (2.0GHz)
ARM G52 2EE GPU
Advanced Graphics: OpenGL ES1.1/2.0/3.2,
OpenCL 2.0, Vulkan 1.1
High-Speed 2D Acceleration & 1 TOPS
Computing Power

Cutting-Edge Industrial Aesthetics
Slim 30+mm Profile
Efficient Heat Management with
18561.4mm² Dissipation Area

SLEEK & ULTRA-THIN DESIGN



* CP Cool Sink Cooling Technology

VCM V12-2

The Most Revolutionary Vehicle Mount Computer Ever Created

Product Specs

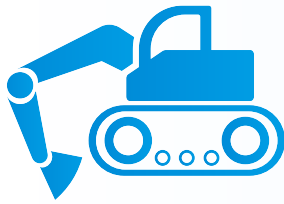
System	Quad-Core Cortex-A55 CPU (2.0GHz) ARM G52 2EE GPU Flexible OS & Storage Options: Android 11.0 Support Linux Kernel 5.10, Qt 5.15.7 Support 2GB RAM LPDDR4 (Up to 8GB) 16GB ROM EMMC (Up to 256GB)	Display	12" 5-Point Capacitive Touch Screen Above 750 Nits Resolution: 1280*800P Anti-Glare Display
		Power	9-36V DC Input ACC Ignition Detection Power Supply Voltage Detection Under and Over Voltage Protection Reverse Voltage Protection
Communication & Sensor	MIC *1 Built-in Speaker *1 External Speakers USB3.0 Interface *1 Gigabit Ethernet *1 G-Sensor *1 LTE 4G/5G Communication Module WIFI 802.11b/g/n, 2.4G Bluetooth 4.2 MXT906B & UM980 & P20E	I/O Interface	CAN *3 (CAN *2, CAN FD *1) Up to RS232 *3 RS485 *1 ADC_IN Detection *2, Max. INPUT 12V DC_OUTPUT 12V *2 IO_INPUT *2 Up to AHD Camera *4
		Connector	26PIN Connector *1 M12 X-Code Aviation Plug *1 SMA Female Connector *1 TNC Female Connector *1
Rugged Feature	IP67 Protection Level MIL-STD-810 Vibration Compliance ISO16750 Road Vehicle Standard Operating Temp: -30°C to +70°C, Operating Humidity: 0%-90% RH Storage Temp: -40°C to +85°C, Operating Humidity: 30%-95% RH Salt Spray Test: 48-Hour Endurance for Entire Device	Light Bar	LED Light Bar, LED Lights *16 (Optional)
		Mechanical Spec	Dimensions (WxHxD): 317.8*219.6*34.5mm Weight: 1.75kg
Button	FUNCTION BUTTON x2 ON/OFF Button	Installation	Easy Installation with RAM or Similar Mounts for Vehicles, Farm Equipment & Machinery

Applications



FARMING MACHINE AUTOMATION

Dual Operating System Support on a Single Platform
Tailored Development to Suit Your Needs
Comprehensive, High-Sensitivity Communication Interfaces
Robust Performance Even in the Most Complex Applications
Display Engineered to Withstand Water, Dust, and Sunlight



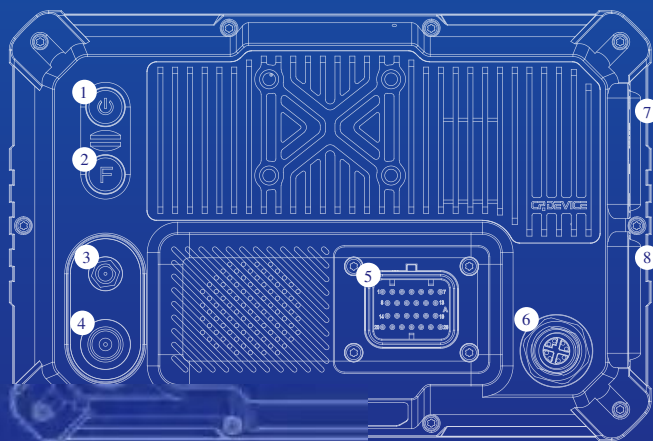
CONSTRUCTION MACHINE CONTROL

Software Development Made Easy Comm Architecture
Precise Positioning for Enhanced Accuracy
Multiple SKUs to Align with Your Business Needs
Resilient Design, Tolerant to High Temperatures, Salt Mist, and Shocks



HUMAN MACHINE INTERACTION

A Single Platform Offering Dual Operating System Support
Customizable Development to Fit Your Requirements
Wide Range of Interfaces for Enhanced Applicability
Reliable and Sensitive Communication Capabilities



- 1 ON/OFF Button
- 2 Customizable Button
- 3 Reserved 4G/5G External Antenna Interface
- 4 GNSS Antenna Interface
- 5 CAN *3 (CAN 2.0B *2, CAN FD *1)
Up to RS232 *3
RS485 *1
ADC_IN *2
DC_OUTPUT *2
IO_INPUT *2
Up to AHD Camera *4
- 6 Gigabit Ethernet
- 7 External SIM Card Slot *1
- 8 USB 3.0 *1

