

tigerMX-5

the power packed server



integrated

combines vision, recording, fleet operations and wireless connectivity in one unit

tough

tested for temperature, vibration and ingress protection to withstand the toughest conditions

powerful

runs custom applications and vision operations simultaneously without performance limitations

powerful and versatile

The effective vision server tigerMX-5 can record up to one month¹ of captured footage allowing for conclusive evidence in the event of an incident. Detailed insight and extensive documentation enable rapid and efficient claim processing.

Leverage your existing on-board fleet operations by integrating it onto the tigerMX-5. The server provides **two computers** to enable vehicle centric machine management and vision control. While one computer processes footage of up to five smartMX-180 cameras², the second computer can run your **fleet and machine control applications** in an independent operating environment.

Captured footage is stored on a solid-state drive [SSD]

and can be accessed via **Wi-Fi, 3G** and Black Moth's **cloud** infrastructure. The vision server also features a **fanless design**, flexible power management and ride through **vehicle cranking capability**.

The tigerMX-5 can be used in virtually every environment. Its sturdy cast aluminium enclosure protects your data against **severe vibration and extreme temperature**. Its low profile housing enables highly flexible in-cab mounting options to suit individual requirements and for easy access.

Integrate vision easily in to your workflow with the tigerMX-5, while **reducing cab clutter** and simplifying driver operation.

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technical specifications (extract)

core processor	<p>Embedded Freescale® i.MX6 QUAD core up to 1.2GHz per core, GPU 2D&3D, 1GB DDR3-1066 RAM</p> <p><u>integrated customer processor (optional)</u></p> <ul style="list-style-type: none"> » Intel® Atom™ CPU QUAD core up to 1.91MHz per core with 4GB DDR3L-133MHz memory » Standard operating system support for Windows 7/8 32/64-bit, Linux 32/64-bit and extended support (BSP) WES7/8, WEC7/8, Linux, VxWorks » Utilises dedicated touch screen display » Utilises network shared resources including internet connectivity, GPS, GPIO & SSD
storage	<ul style="list-style-type: none"> » 16GB eMMC NAND (video processor) » 480GB eMLC SSD (for video storage) shared with customer processor » 4GB SLC NAND Flash (applications processor) + up to 32GB additional SLC NAND Flash
interfaces	<ul style="list-style-type: none"> » 5 PoE ports to support cameras » 3 USB Host ports (v2.0) » 2 x display port [1368x768] with USB touch screen interface & power supply - one for core processor and other for optional » 2 x CAN » 4 x DO/ 4 x DI
wireless	<ul style="list-style-type: none"> » 6 band global support, 2100, 1900, 1700, 850, 800, 900MHz » 3G UMTS & HSPA+, 2G GPRS/EDGE » WLAN 802.11 a/b/g/n/e/i » Bluetooth 1.1, 1.2, 2.0, 2.1, 3.0 and 4.0 compliant. Power Class 1.5
gps	<ul style="list-style-type: none"> » GPS/QZSS L1 C/A, GLONASS L1 FDMA » SBAS: WAAS, EGNOS, MSAS » 10Hz update rate » Accuracy 2.0-4.0m CEP depending on mode
environmental	<ul style="list-style-type: none"> » Temp operating: -40C to 65C » Temp storage: -40C to 80C » Humidity: Up to 95% » IP54 » Vibration and shock: 5Hz-150Hz, 15mm, 5g / 60g, 6ms
power supply	<ul style="list-style-type: none"> » Nominal 12V/24V DC range 9-36V DC » Reverse polarity protection » Power ride through with super capacitor power buffer of 10 seconds for cranking and power interruptions
size & weight	<ul style="list-style-type: none"> » Dimensions: 341mm[W]x225mm[H]x62mm[D] » Weight: 3100g
warranty	<ul style="list-style-type: none"> » One year

fanless design

includes PC solely dedicated to user applications

LEMO® connectors

Specifications subject to change // © Black Moth Vision Systems 2019

¹ obtained with 5 recording cameras at 5 FPS, with a usage of 10 hours/day, 5 days/week

² four cameras to receive 360° vision, fifth camera for special function



Vision in Motion

Black Moth's intelligent mobile vision and communication solutions improve worksite safety for heavy machinery. We provide cutting-edge technology and rugged products to support operations in a wide range of transport and heavy industries.

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