

# 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 month<sup>1</sup> 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 cameras<sup>2</sup>, 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.

# tigerMX-5

## technical specifications (extract)

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

fanless design

includes PC solely dedicated to user applications

LEMO® connectors

Specifications subject to change // © Black Moth Vision Systems 2017

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

<sup>2</sup> 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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