TAVIS Thermal AudioVisual Integrated Solution

TAV-BX-1: (RXM-1 ReAX Media Server & TAV-A80 Thermal Camera Sensor)

About TAVIS and this guide:

TAVIS (Thermal AudioVisual Integrated Solution) is designed to detect temperature anomalies. It's important to understand there are many factors, including environmental and physiological that can impact a person's surface temperature reading. Skin surface temperature vs actual core body temperature may differ either way. TAVIS must be operated in accordance with the manufacturer's user guide. TAVIS is not intended nor designed to diagnose or detect medical conditions including, but not limited to, viruses or other illnesses. TAVIS should only be used to detect variations in surface temperature. Absence of an elevated skin temperature does not preclude a fever.

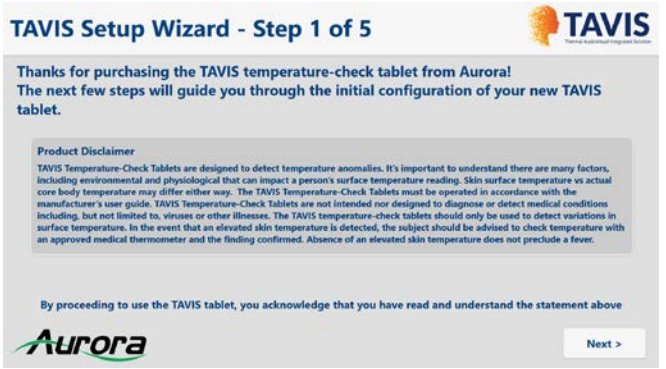
ReAX™ Core Studio is a free software tool which significantly increases the potential of the TAVIS series allowing full customization of the interface and communication to 3rd party equipment.

Power and Other Connections:

To power, connect either the 12V power supply to the DC port or use PoE LAN on the RXM-1. The TAV-A80 will draw power through the USB Ports.

Note: The Thermal Camera Module can be mounted with the ¼" tripod mount thread hole on the bottom of unit or the supplied bracket. Refer to the User Guide for more details.

Software Setup:



1. The setup wizard will run when you first power on the device. Please read the disclaimer and click "Next" to continue.
2. Configure your network settings, if any.
3. Choose between Fahrenheit and Celsius. Then enter the maximum allowed temperature and whether or not to require a face mask.
4. Calibrate your device by following the instructions on screen.
5. Set your pin code to access the security settings again in the future.

To access your settings again, click the "⚙" in the bottom right corner and enter your pin. If you have not entered your own pin, you can access the menu by entering the default value of "12345".

TAVIS TAV-BX1 Mounting

The RXM-1 can be mounted behind the display, to a wall with the included mounting ears, or in a rack with the available rack mount. The TAV-A80 can be mounted to a wall or other objects with the included mounting bracket or the ¼" tripod mounting thread hole on the bottom. The TAV-A80 has two 6ft USB cables which is to be attached to the RXM-1 USB ports. Extenders can be used but must be full bandwidth 480Mbps capable.

TAVIS Specifications Quick Reference

	TAV-BX1
CPU	RK3399 Six Core Processor 1.8GHz/1.4GHz
RAM/ROM	4GB/32GB
OS	Android 9/Linux Debian 9 (Coming Q1)
Bluetooth	EDR 4.0
Wi-Fi	802.11 b/g/n/ac 2.4GHz and 5GHz
Inputs / Outputs	● 12v DC Input ● 3.5mm Audio Line L/R Out ● HDMI 2.0 Output ● SD Card Slot, SIM Card Slot (4G Option) ● USB Type C, USB 3.0, USB 2.0 ● 1G LAN PoE
AV Capability	2MP Binocular
Included in Box	RXM-1, TAV-A80, Power Adapter, Power Cable, WIFI Antenna, Mounting Ears
Thermal Sensor	80x64 Heimann
Mounting	Rack Mount or Wall Mount for RXM-1 ¼" Camera Tripod Mount for TAV-A80
Consumption	11W
Power Input	12V 2A
Certification	CE, FCC, ROHS
Warranty	3 Years
Sensor Range	0.3m – 1.5m, 30°C - 45°C
RXM- 1 Size (W x D x H)	177 x 104.2 x 27.3mm (6.97" x 4.1" x 1.07")
TAV-A80 Size (W x D x H)	125mm x 36.44mm x 27.20mm (39.67mm deep including lens)

Specifications subject to change without notice.

For further information, please visit www.auroramm.com/tavis

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