

Quick Start Guide

RHP-BOS-VPC-TTL-IF

RHP Boson VPC TTL Interface Module



RHP-BOS-VPC-TTL-IF

Attach the VPC Module to the rear of the Boson using the four socket cap screws (provided).

Please be careful not to over-tighten the screws.

There are two ways to connect the VPC TTL Interface Module, 7-pin Pico to flying leads or 6-pin JST to USB.



Attach the VPC Module to the Boson Camera

7-pin Pico: Connect the cable to the bottom connector on the interface. This will supply power and enable parameter adjustments to the Boson (via the FLIR Boson GUI). Control is available using a UART/TTL Interface.



Secure using the four screws provided.

6-pin JST: Connect the cable to the side connector. This will supply power and enable parameter adjustments to the Boson (via the FLIR Boson GUI).



Connect 6-pin JST/USB

The 7-pin Pico and 6-pin JST cables include composite video out. This can be used to connect to a video monitor, transmitter, recorder, or streaming device.

Note: Video will not function on connectors that have sync enabled.



Supply power via USB or 5-26 Volts DC

Visit OEMCameras.com for software, drivers and updates to the Teledyne FLIR BOSON and BOS-VPC-TTL-IF Module.

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Power:

The RHP-BOS-VPC-TTL-IF is designed to accept a wide input voltage range of 5 to 26 Volts DC with reverse polarity protection.

Streaming Video:

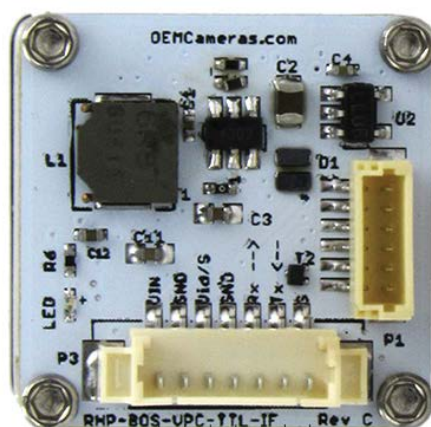
This module supplies two video output signals, allowing simultaneous connection of two devices at the same time, with no signal loss.

Sync:

If the module was ordered with one or both connectors modified with Sync output, the video outputs will be disabled.

7 Pin Pico to Bare Wire

+5 to 26 VDC
Power Ground
Video/Sync
Ground
TX 3.3v TTL Data Out
TX 3.3v TTL Data In
Ground



Voltage Input 5-26VDC
Ground
Video / Sync 1
Ground
Ground
Tx 3.3v TTL (Data In) Host Transmit
Rx 3.3v TTL (Data Out) Host Receive

6 Pin JST to Bare Wire

+5 to 26 VDC
Power Ground
Video/Sync 2
Ground
USB D+
USB D-

