

TacPort™

Bullard offers the TacPort as a power accessory to the TacSight Thermal Imager. Electrical outputs on the TacPort allow for easy connection to external power sources, and the video output can be connected to a transmitter, remote display, or video recorder. Used in conjunction with the TacSight thermal imager, the TacPort provides the user extended surveillance time and operating flexibility.

Connecting to the TacSight Thermal Imager

To connect the TacPort to the TacSight thermal imager, place the TacPort against the bottom of the thermal imager so that the thumbscrew on the TacPort aligns with the thermal imager's tripod socket, and the TacPort label is to the rear of the thermal imager. Turn the thumbscrew until firmly secure. Electrical and video connections are made automatically once the TacPort is attached.

Powering the TacPort

Two DC ports are located on the side of the TacPort, allowing the user to either input power into the camera or to draw out power to various accessories. If used to input power, voltage should be 12-15 VDC, center positive on a 2.1 mm power plug. A standard DC cigarette lighter adapter is provided, which can be used with any standard 12 volt vehicle outlet or separate battery source.

When an external power source is used, the thermal imager's power switch and battery LEDs are bypassed. The thermal imager will remain on as long as this external power supply is connected to the thermal imager. If a battery is connected to the thermal imager, it will still operate off the external source, but the LED charge indicators on the thermal imager will not be accurate.

NOTE

The external power supply will not charge the thermal imager.

Powering an Accessory from the TacPort

The TacPort is designed to power accessories through the TacSight thermal imager or through an external power supply. If using an external power supply, the output voltage is the same as the voltage provided by the external power supply. Whether the thermal imager is ON or OFF, it is continually providing output power when connected to an external power supply. If there is no external power supply, the voltage output will be from the thermal imager battery, ranging from 8.5 to 11.0 VDC. When using this battery source only, the thermal imager must be on to provide output power.

NOTE

Using the thermal imager battery to power accessories will shorten the charge life of the battery, thus decreasing the operating time of the accessory. Use an external power supply whenever possible. When using any accessory, the user should verify that any accessory powered from the TacPort is compatible with the voltage supplied and is safe to operate at voltages from 10 to 15 VDC.



CAUTION

If the power requirement of the accessory exceeds 500 mA, an external power supply MUST be used.

Video output is a standard NTSC television signal. The connector is type BNC, and an adapter is provided to permit use of an RCA type video cable connection.

NOTE

There is no video input on the TacPort.

TacPort Specifications

Power In:	Voltage 10 – 15VDC Current 1.0A minimum
Power Out:	Voltage 10 – 15VDC (depends on power in source and/or battery in imager)
Power Connector:	2.1mm power plug, center positive (Cable provided for vehicle cigarette lighter connection)
Video Out:	NTSC video signal
Video Connector:	BNC (Adapter provided for RCA cable connection)
Tripod Mount:	1/4"-20 standard tripod thread
Water Resistance:	IP64
Shock Resistance:	1 Meter drop on concrete
Temperature:	-20 - +80 C

NOTE

The TacPort cannot be used in conjunction with the TacScope.

TacScope™

The Bullard TacScope is a micro display eyepiece that can be quickly and easily attached to the TacSight thermal imager. In conjunction with the optional display shutoff on the TacSight, the TacScope allows discreet nighttime surveillance by eliminating the display as a light source. A rubber eyecup on the TacScope prevents illumination of the face by stray light from the eyepiece.

TacScope

To connect the TacScope to the TacSight thermal imager, align the screw on the bottom of the TacScope with the tripod socket on the bottom of the thermal imager (making sure the rubber eyecup is to the rear of the camera), and tighten the thumbscrew until secure. When fully secured, the TacScope is electrically connected and is operable whenever the thermal imager is on.

Using the TacScope

When attached to the TacScope, turn the thermal imager upside down and place your left or right hand through either of the hand straps. Look through the eyepiece on the TacScope to see the thermal image. A switch on the side of the TacScope allows the TacScope's display to be turned off.

NOTE

When using the TacScope with the thermal imager inverted, the thermal imager's startup graphics will also be inverted. However, the thermal image will always maintain its correct orientation.



TacScope Specifications

Power Source:	10-12VDC (supplied by TacSight imager)
Power Consumption:	1.0 W
Power Switch:	Controlled by imager power switch
Display Resolution:	320x240 pixels, full-color
Color:	Grayscale monochrome
Eye Relief:	76mm
Water Resistance:	IP64
Shock Resistance:	1 Meter drop on concrete
Temperature:	
Operating:	-20 - +60 C
Storage:	-20 - +80 C
Display Size:	5.44 mm diagonal
Eyepiece Lens:	21.4mm EFL, f/1.18

NOTE

The TacScope cannot be used in conjunction with the TacPort.

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