

# Backpack Surveillance Tower



The Backpack Surveillance Tower (BST) is a highly portable, surveillance system that can be deployed from a backpack. The system features a pan-tilt-zoom camera with 18X zoom and IR illumination, which is mounted on top of a collapsible 13 ft (4 meter) mast.

The video is transmitted using a 1-Watt Wi-Fi radio (UWL) operating at 2.4 GHz. It is encrypted using standard algorithms for viewing with any standard digital device with Wi-Fi capability, such as a laptop, tablet or smart phone. The system operates for up to 12 hours with a rechargeable battery. A ruggedized, small footprint laptop with a software application is included, which allows multiple cameras to be viewed simultaneously, controls the PTZ, records video and executes programmed pan-tilt-zoom sequences.



SYSTEM COMPONENTS: Rugged laptop, rechargeable battery with 12V power pack, PTZ camera, Wi-Fi transmitter (UWL), double-walled tower with base, (3) guy wires with stakes and cables. (Backpack, battery charger and laptop charger included, but not shown).

BST

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Wireless Options

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## CAMERA

<b>Description</b>	PTZ (Pan/Tilt/Zoom) day (color)/ night (BW) CCD camera; Automatically switches to BW in dark and color in light
<b>Pan/Tilt</b>	360° continuous pan / -45° to +90° tilt
<b>Lens</b>	18X optical zoom – 2.8° to 28° FOV
<b>Resolution/Format</b>	768 x 494 pixels / NTSC
<b>Illumination</b>	850nm infrared LEDs; Range of 200ft (60M)
<b>Lux</b>	0.7 color; 0.01 BW

## WI-FI RADIO (UWL)

<b>Frequency</b>	FCC 2.412-2.462 GHz (America); CE/ETSI 2.412-2.472GHz (Europe)
<b>RF Power</b>	Up to 1W
<b>Range</b>	500ft+ (150M+) to supplied laptop; 1000ft+ (300M+) to another BST, UWL or PNSC; Line-of-sight; Range is highly dependent upon environment

## POLE

<b>Height</b>	13ft (4M)
<b>Diameter</b>	2" (5 cm)

## RECHARGEABLE BATTERY (Optional)

<b>Chemistry</b>	Lithium-ion
<b>Capacity</b>	14.4V nominal @15Ahr
<b>Charge Time</b>	Less than 6 hrs
<b>Runtime</b>	12 hrs (LEDS off); 9 hrs (LEDS on)

## PHYSICAL

<b>Backpack Weight (Fully loaded)</b>	30 lbs (13.6 kg); Subtract 4.1 lbs (1.9kg) for no battery/charger; Subtract 3.5 lbs (1.6kg) for no laptop;
<b>Backpack Size (Fully loaded):</b>	16"W x 18"H x 12"D (41cm x 46cm x 30cm)
<b>Range</b>	-4°F to 122°F (-20°C to 50°C)
<b>Laptop (optional):</b>	10.1" LCD, 128GB Solid State Hard Drive, 4GB RAM, Atom N2600 1.6 GHz Dual Core, Windows 7 Ultimate, 57Whr battery, IP65, 10.2" x 7.0" x 1.6" (26cm x 19cm x 4cm)

## MODELS

<b>BST-L1-RB</b>	Backpack Surveillance Tower with 10.1" Rugged Laptop, Rechargeable Battery & Charger
<b>BST-LL-RB</b>	Backpack Surveillance Tower, Less Laptop, with Rechargeable Battery & Charger
<b>BST-LL-NB</b>	Backpack Surveillance Tower, Less Laptop, Less Battery
<b>BST-L1-NB</b>	Backpack Surveillance Tower with 10.1" Rugged Laptop, Less Battery

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2/2

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