

WCT Series Portable Video Surveillance



Monitor, manage and control your assets anywhere



Wanco Security & Surveillance provides quick-and-easy wireless remote monitoring. Access cameras and sensing devices from the home office, a command center or on-site. Keep an eye on all your properties, any time, from anywhere in the world. Feature-rich and expandable, apply Wanco Security in a wide variety of applications

Wanco Portable Security boasts an array of features for use in a wide variety of applications. Versatile and expandable, components and technology can be added, updated and custom configured with ease.

Remote control

Live views and remote control from anywhere

The technology that drives Wanco Security is the Remote Access Video Surveillance System (RAVS). Comprised of plug-n-play hardware and system software, RAVS communicates with all installed components, allowing remote control from any Internet-connected computer.

- Access live video on any computer, worldwide, over a standard Internet connection.
- Use secure, password-protected access for designated personnel on a corporate network.
- Remotely control cameras, including pan, tilt and zoom.
- Activate alarms, such as sirens and warning beacons, to deter thieves and vandals.

Expandable technology

Expandable technology lets you install additional devices with ease

Industrial-grade embedded controller

At the heart of Wanco Security is its industrial-grade, embedded controller. Designed to withstand the rigors of travel, harsh environments and temperature extremes, this is more than just a computer. The controller allows complete control of all components.

The embedded controller is technology-agnostic, which means you can add virtually any auxiliary equipment to the system. An abundance of open ports and slots allow for multiple optional components.

- 2 open USB 2.0 ports
- 1 open Ethernet port
- 3 open serial ports
- 1 open audio port
- 1 open parallel port
- 1 open compact flash card slot
- 1 open PCI slot
- 1 open PCMCIA slot



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Networked components

Networked components allow for customization and expandability

Deploy Wanco Security as part of a security network. It functions seamlessly with other security devices, using wired or wireless connectivity to form a comprehensive defense against intrusion, theft and vandalism. Devices can trigger alarms, activate the recording system and notify the proper authorities.

Motion detectors



Strobe light



High-resolution radar



Cellular communications



Infrared LED illuminators



Mesh network



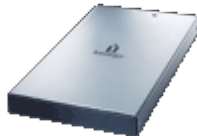
Warning siren



Satellite communications



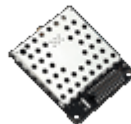
External, portable hard-drive



Thermal imaging cameras



RF transceiver



LED lighting



Audio speaker



Intuitive controls

Intuitive controls can be operated by people who are not computer savvy

Wanco products are well known for their ease of use. With Wanco Security, all necessary hardware and software are pre-installed and preconfigured. Engage power and set the cameras, and the system is ready to use.

- A centralized control center provides easy access to power management, camera controls, the digital video recorder and other accessories.
- The power monitoring system allows individual control of power consumption and power subsystems diagnostics, including DC converters, wiring, fuses and switches.
- An intuitive user interface can be operated by people who are not computer savvy.
- Remote communication is configured at the factory according to customer-specified requirements. Pre-installed and preconfigured, all you do is switch it on.
- The integrated power supply and power management system are both set up at the factory. No need to wire an external generator; Wanco Security is battery-powered with solar or diesel backup.

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Versatile, durable and easy to use

Deployed in virtually any scenario for short- or long-term security needs, versatile pan-tilt- zoom cameras and an integrated digital video recorder make monitoring a site as easy as pushing a button.

•10 minutes to deploy

Complete deployment can be accomplished in about 10 minutes

Wanco Security is fast and easy to deploy. The compact trailer features a standard tow hitch, an electric winch system, and an integrated control center. Simply tow the unit to its desired location, level the trailer, remove the protective camera covers, engage power and extend the mast.

•Advanced technology

Top quality throughout, each component was specifically selected for its durability and functionality.

Wanco conducted extensive research to ensure this technology is state of the art.

- An industrial-grade DVR captures real-time video for local recording and local or remote playback at any time.
- Video can be transferred locally to a removable hard-drive or downloaded remotely via wireless connection.
- Technologies are interchangeable and work together to provide solutions to suit your specific needs.

•Onboard power system

Wanco's power system is unique, with a patent-pending low-voltage disconnect

Wanco Security & Surveillance has its own source of power. Options include batteries, solar power, and a hybrid-diesel system that allows for continuous operation without interruption. An integrated power management system provides remote monitoring.

- The hybrid-diesel auto-start system engages to charge the batteries only when they run low, extending operation before refueling is necessary.
- The fuel supply lasts more than 30 days, depending on the number of cameras and environmental influences.
- A solar panel charges the batteries while power is off, extending operation.
- An integrated electrical outlet means batteries can be recharged using a generator or AC power-supply.
- The low-voltage disconnect provides remote monitoring of battery condition and diesel fuel level. It shuts off power when necessary to avoid damage to batteries and electronics.

•Rugged construction

Durability and dependability — now, and well into the future

Wanco Security is built to last. Constructed of heavy-gauge steel, full panels and welds replace bolts and screws commonly found on similar equipment. With rugged construction throughout, durability and dependability are ensured.

- The compact trailer keeps its center of gravity low during transport, limiting shaking and vibration.
- Industrial-grade components are designed for outdoor use, to withstand harsh weather and physical abuse.
- The hardened video monitor is designed for outdoor use, the same model used by the U.S. military in its Hummer vehicles.
- A sealed keyboard and mouse are tough enough to withstand harsh weather and physical abuse.
- Outdoor-use day/night cameras are also sealed, protected from dust and the elements.
- Sealed batteries are leak-proof, spill-proof and minimal gassing, requiring no maintenance in their lifetime.

•Tamper resistant

Multiple security features deter theft, prevent tampering and stop vandalism

With mobile security, tampering is often a concern. Wanco addressed the issue with warning devices, locking compartments, and thoughtful design elements.

- The unit has no exposed wire at ground level, and Nycoil® cable conduit prevents damage on the mast.
- Mobility deterrents, such as an axel lock and removable trailer hitch, prevent the trailer from being shifted or towed. Tie-downs can be anchored to ground or other equipment.
- An optional siren can be set off by motion detection or connected to a secondary alarm system.
- Triple-lock compartment doors prevent unauthorized access to the interior. A double-locking interior bay further protects the primary components.
- Because the tower can rotate for line-of-site communication or fine-tuning the camera positions, this rotation can be locked.
- Integrated hardware leaves no accessible screws, nuts, or bolts.

Trailer

Weight, solar model
1880 lb. (853kg)

Weight, diesel model
2176 lb. (987kg)

Construction

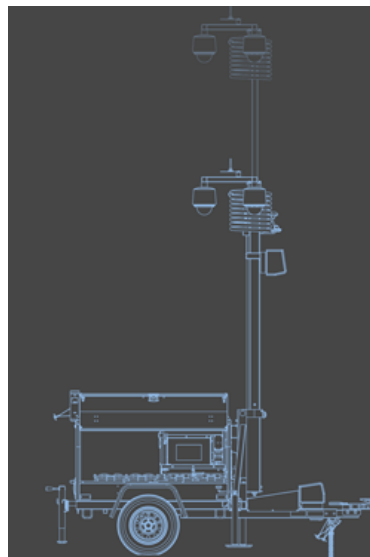
MIG welded, unibody-style

Finish

Oven-baked powder coat

Footprint, deployed

129 x 112 in. (3.28 x 2.83m), L x W



Height, deployed

Maximum: 355 in. (9.01m)
Minimum: 176 in. (4.47m)

Camera height

Maximum: 333 in. (8.45m)
Minimum: 154 in. (3.91m)

Dimensions, travel

152 x 52 x 72 in. (3.85x1.31x1.83m), LxWxH

Tow hitch

Standard combo hitch, 2-in. ball or 2½-in. dia. x 1-in. CS pintle coupler

Equipment cabinet

| | |
|------------------------|--|
| Construction | Individual steel panels, riveted and bolted |
| Latches and locks | Exterior doors feature two industrial-grade cam locks and one lockable paddle latch |
| Interior door | One locking L-handle and one hasp that accepts a padlock |
| Venting | Filtered outside-air vents |
| Cooling | Electric cooling fans activated by temperature sensors mounted to embedded controller |
| Control panel switches | Master power; individual camera, DVR, monitor and modem power; warning device activation; circuit test; and four auxilliary switches |

Power system

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|------------------------|--|
| Battery type | VRLA, AGM, leak proof, spill proof, minimal gassing, maintenance-free, air transportable |
| Base model batteries | Four batteries provide operating power |
| Diesel model batteries | Two load-bank batteries provide operating power; one start battery powers engine startup |
| Battery monitor | Battery condition meter shows the battery bank charge level |

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| | |
|------------------------------|---|
| Battery charger | Charges batteries from commercial power or standby generator; recharges from 0 to 90% in 24 hours |
| Solar charging | Solar panel assists in charging battery bank, and keeps batteries charged when not in use; maximum output, 130 W +10%/-5% |
| Hybrid-diesel charging | Auto-start function engages to recharge load-bank batteries based on load-battery status; recharges from 0 to 90% in 4 to 5 hours |
| Diesel fuel tank | Centered over axle to eliminate effect on trailer tongue weight; 30-gallon capacity |
| Low-voltage disconnect (LVD) | Monitors and controls power to cameras, DVR, monitor, cellular modem, and auxiliary equipment; switches off power to equipment when battery voltage gets low; system automatically restarts when batteries are recharged; voltage and temperature settings are adjustable |

Recording system

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|------------------------|--|
| Embedded controller | Embedded fan-less PC-based design; Intel® Celeron® M 1.3 GHz Processor, Microsoft® Windows® XP Professional operating system |
| Recording modes | Continuous, triggered, scheduled |
| Hard-drive capacity | Internal 160 GB; external (optional), up to 200 GB |
| User-interface monitor | Hardened, industrial-grade 15-inch, color LCD monitor for outdoor use; sunlight-readable, TFT active matrix with anti-glare film bonded to a glass overlay |
| Keyboard and mouse | Grandtec “Virtually Indestructible” brand; waterproof, silicone-based; optical mouse |
| Standard camera | One to four Vicon® Surveyor, clear-domed, pan-tilt-zoom (PTZ), day/night cameras |
| Camera response | Onboard control, instantaneous; remote control, 2 to 3 seconds |

Optional equipment

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|------------------------|--|
| Wireless communication | Cellular communication: recommended through Sprint® Cellular standards: 2G EvDO & GPRS/GSM, 3G EvDO Rev. A, HSPA Wireless networks: Wi-Fi, WLAN, 802.11, Mesh Satellite: WildBlue Line-of-site: Trango Broadband |
| Warning siren | Manual activation on-site, manual activation remotely, or event-triggered |
| Sensing equipment | Infrared (IR), thermal, radar, lights, motion sensors |
| Power inverter | Converts 12 V dc battery voltage to 115 V ac 60 Hz power for AC-powered equipment |
| LED lighting | High-power white light illuminator, auto-activated by daylight sensor; range, 492 ft. (150m) |

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