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INNOVATION ELEVATED[®]

Why You Need a Night Scan Light Tower

Safety is the number one requirement when answering a call and nighttime operations create an even bigger challenge. Night Scan light towers create a safer work environment by lighting the scene from above, like natural daylight.

Overhead lighting reduces glare for oncoming traffic and does not blind the crew. Night Scan light towers allow you to customize light intensity and coverage by stopping the tower at any height before it is fully extended. Installation flexibility is delivered with three lightweight options; roof-mounted to the apparatus, internally installed extending through the roof or mounted externally to the vehicle.

All Night Scan light towers meet or exceed all NFPA 1901-16 requirements. The Made in the USA, maintenance-free design operates in nearly any environment – from dusty, hot deserts to -22°F, snowy conditions. The Powerlite dual-tilt light option allows you to illuminate 360° of the scene by equally distributing light front and back.

The nearly limitless options of Night Scan ensures that it will meet the needs of your department. Hilly terrain or tall buildings might require a light tower of 30 feet with six high-powered lamps. Small vehicles might be better suited with a 3.25 foot Night Scan Chief model with two lamps. The towers can accommodate any vehicle's electrical system with LED lamps from the best brands – Whelen, Night Scan, and Will-Burt.

The always upright design of Night Scan provides the best platform for adding optional beacon lamps or video cameras. Video cameras can be used for scene recording, training or remote monitoring of operations. Will-Burt has a full range of video options from simple, fixed lens cameras to high-definition and thermal imaging PTZ cameras.

Choose Night Scan and operate under the safest nighttime conditions, because You Need Light Every Night!

nightscan®
by Will-Burt



Standard Color White.
Black Option for
Additional Charge.

Selecting the Night Scan That is Best For You

1. Review your total height requirements. If your terrain is hilly or there are tall trees or buildings, you might want a taller tower, up to 30 feet. Remember that the mounting location will add height as well. Night Scan platforms are available from 3.25' to 30'.
2. How much space is available for the light tower? If ample roof space is available; a lightweight, compact, folding, roof-mounted tower is a good option. If space is tight, a through the roof vertical light tower or side mounted vertical tower might be the best option.
3. How much light do you need? 2, 4, 6 or 12 LED lamp options are available. Total lumens can reach 220,000.
4. What type of electrical system is available? 12 and 24 DC options are available for vehicle electrical systems and 120 and 240 AC options are available for vehicles that have on-board generators.
5. Select the tower remote control that is best for your needs. Wired controllers, panel-mount controllers and wireless controllers are available.
6. Last, what options are needed? Warning beacons and video cameras are available on most Night Scan light towers.

See page 10 for the tower and light options or visit <http://www.willburt.com/support/support-center/ez-spec/> for options and downloadable specifications.





**NIGHT SCAN®
LIGHT TOWERS** 4-9



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Specifications are subject to change. Consult factory for latest information.



night **Fit** scan®



The name says it all! Night Scan Fit – the light tower that Fits your Space and Fits your Budget. Don't let the narrow footprint and lightweight design mislead you. This is a fully capable Night Scan with powerful LEDs to illuminate your work without blinding your crew. A remote-controlled positioner that puts the light where you need it regardless of your apparatus' position and most importantly, it turns night into day, helping to keep your crew safe.

ESSENTIAL FEATURES

- Narrow – less than 16"
- Lightweight – less than 100 pounds
- Directs powerful LED light, where you need it, regardless of the apparatus' position
- Easy to install, Self-contained system only requires 12-volt power

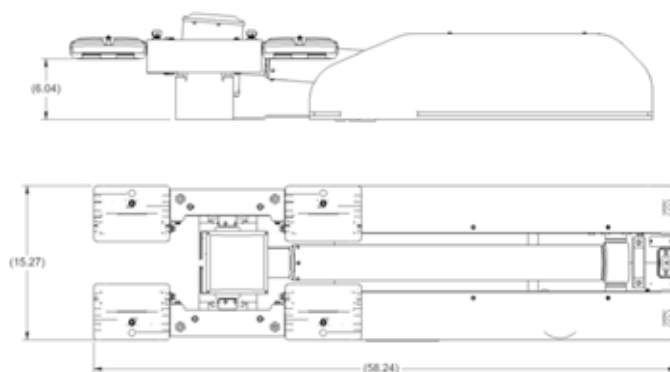


SPECIFICATIONS

Night Scan® Fit	1.0	2.3
Height (ft. / m)	3.25 / 1	7.5 / 2.3
System Weight Approx. (lb. / kg)	89 / 41	111 / 57
Auto Deploy and Auto Stow®	Yes	Yes
Time to Light	5.5 seconds	10 seconds
Number of Lights Available	4	4
Light Type Available	WB 140 LED	X200 LED
Maximum Lumens	56,000	80,000
Pan and Tilt Light Positioning	Yes	Yes
Opposable Light Fixtures	No	No
VDC / Watts Maximum	200	500
Beacon Light Option	No	No
Camera Option	No	No
Color Option	Standard Color White. Black Option for Additional Charge.	
*Wind Speed Survival (mph / km/h)	140+ / 225+	114 - 140 / 184 - 225
Operating Temperature (°F / °C)	-22 to +149 / -30 to +65	

* 125% NFPA Safety Factor

Night Scan Fit with WB-140 lights



NIGHT SCAN® LITE

The All New Night Scan Lite is a compact, folding light tower that merges cutting edge LED light technology with proven mechanical design to deliver fast and reliable scene illumination. The Night Scan Lite is self-contained and is energy efficient – no generator is needed. The lightweight design assures that the light tower can be installed on nearly any flat vehicle or trailer surface.

ESSENTIAL FEATURES

- Rugged, weatherproof design
- Remote light positioning
- Lights IP69k water-proof
- 2 year warranty
- Safety LED look-up light
- Wired hand-held controller
- No routine maintenance
- CE Certified / NFPA Compliant
- Patent pending



Dual optics for near and far illumination



Extends 2 meters above the fire apparatus for maximum scene illumination



Provides over 384 sq. meters of safe work area at 30+ lux



Can be installed on nearly any flat vehicle or trailer surface.



The wired controller allows for full 360° pan & tilt remote light positioning.



Tested and proven to be reliable in extreme environments.

SPECIFICATIONS

Night Scan Lite Models	719990281-PA09	719990290-PA09	5605403-PA09	5605401-PA09	5605407-PA09	5605405-PA09
Extended Height	2 meters					
Number of LED Lamps	2	4	2	4	2	4
Raw Lumens	40,000	80,000	40,000	80,000	40,000	80,000
Light Positioner Rotation	360° / 19 seconds					
Light Positioner Tilt	360° / 19 seconds					
Full Extension	Under 15 seconds					
Operating Temperature	-20°C to +70°C					
Survival Wind Speed	160 km/h					
System Weight	87 kg	93 kg	90 kg	96 kg	91 kg	97 kg
Input Voltage	24 VDC	24 VDC	12 VDC*	12 VDC*	110 / 220 VAC*	110 / 220 VAC*
Maximum Amps	30	40	60	80	110 VAC 6 amps / 220 VAC 3 amps	110 VAC 8 amps / 220 VAC 4 amps

*includes external power supply

NIGHT SCAN® CHIEF

The Will-Burt Night Scan® Chief is a roof-mounted, fold-down light tower which requires no interior vehicle space. It is typically used on medium-size rescue, pumper rescue, service and utility vehicles. The Night Scan® Chief features a self-contained air system (no external air supply needed) and is available with all DC (12V/24V DC) operations in which generator or inverter is not required.

SPECIFICATIONS

Night Scan® Chief	1.0	1.8	2.3
Height (m / ft.)	1 / 3.25	1.8 / 6	2.3 / 7.5
System Weight Range (kg / lb.)	44 / 97 - 61 / 135		
Time to Light	5.5 seconds	8 seconds	10 seconds
Number of Lights Available	2 or 4	2 or 4	2, 4 or 6
Light Type Available	LED	LED	LED
Maximum Lumens	80000	140000	140000
Full Pan and Tilt Light Positioning	Yes	Yes	Yes
Opposable Light Fixtures	No	No	No
VDC / Watts Maximum	12 or 24 / 500	12 or 24 / 640	12 or 24 / 920
VAC / Watts Maximum	120 or 240 / 6000	120 or 240 / 6000	120 or 240 / 6000
Auto Deploy and Auto Stow®	Yes	Yes	Yes
Profiler – Space-Saving Fixture Option	Yes – 2 or 3 lights	Yes – 2 or 3 lights	Yes – 2 or 3 lights
Beacon Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
Color Option	Standard Color White. Black Option for Additional Charge.		
*Wind Speed Survival (km/h / mph)	225+ / 140	225+ / 140	184 - 225 / 114 - 140
Operating Temperature	-22°F to +149°F / -30°C to +65°C		

*Varies depending on light package – 125% NFPA Safety Factor



Night Scan® Chief with Profiler narrow light fixture option



NIGHT SCAN® POWERLITE

The Will-Burt Night Scan® Powerlite is a roof-mounted, fold-down light tower which requires no interior vehicle space. It is typically used on heavy-rescue vehicles, mobile command centers and airport ARFF vehicles. Opposable light fixtures provide equal lighting forward and backward at the same time – 360° of light. Delivering up to 240,000 lumens, the Night Scan® Powerlite is ideal on any vehicle where maximum light is required. The Powerlite 3.0 and 4.5 can be elevated with truck air or optional built-in compressor. The 2.3 comes with a built-in compressor.



SPECIFICATIONS

Night Scan® Powerlite	2.3	3.0	4.5	6.0	7.5
Height (m / ft.)	2.3 / 7.5	3 / 10	4.5 / 15	6 / 20	7.5 / 25
System Weight Range (kg / lb.)	63 / 139 – 81 / 178		161 / 73 – 199 / 91		
Time to Light	8 seconds	12 seconds	14 seconds	21 seconds	10 seconds
Number of Lights Available	4	4, 6, 8 or 12	4, 6, 8 or 12	2, 4 or 6	2 or 4
Light Type Available	LED	LED	LED	LED	LED
Maximum Lumens	120000	240000	240000	210000	140000
Full Pan & Tilt Light Positioning	Yes	Yes	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	Yes	Yes	Yes
VDC / Watts Maximum	12 or 24 / 920	12 or 24 / 1380	12 or 24 / 1380	24 / 920	24 / 460
VAC / Watts Maximum	N/A	120 or 240 / 9000	120 or 240 / 9000	120 or 240 / 9000	120 or 240 / 6000
Auto Deploy & Auto Stow®	Yes	Yes	Yes	Yes	Yes
Profiler – Space-Saving Fixture Option	No	Yes – 2 or 3 lights	Yes – 2 or 3 lights	Yes	Yes
D-TEC® Power Line Detection System Option	No	Yes	Yes	Yes	Yes
Beacon Light Option	Yes	Yes	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes	Yes	Yes
Color Option	Standard Color White. Black Option for Additional Charge.				
*Wind Speed Survival (mph / km/h)	140 - 114 / 225 - 184	140 - 86 / 225 - 138	118 - 69 / 190 - 111	94 - 64 / 151 - 103	78 - 62 / 126 - 100
Operating Temperature (°F/ °C)	-30 to +65 / -22 to +149				

*Varies depending on light package – 125% NFPA Safety Factor



nightscan^{iQ}

Intelligent Light Tower System

IQ
SYSTEM

ATHERION^{iQ}

Adjustable LED Scene Lights

You Adapt to Every Emergency Scene, Shouldn't Your Light Tower do the Same?

Night Scan IQ delivers ultimate control over your scene lighting. It can be programmed to deploy automatically to a specific direction and angle. Night Scan IQ always knows where it is directed in relation to your apparatus and displays this graphically on the 4.3" LCD screen. Flexibility is built-in with easy to change settings and real-time feedback. Night Scan IQ is Smart Illumination.

ESSENTIAL FEATURES

- Programmable positioning
- Graphical User Interface
- Simple to operate and program
- System status feedback
- Panel Mount – optional tethered controller
- Multiplex system compatible
- Available with Atherion IQ adjustable scene lights
 - 4, 6, or 8 lamps / tower
 - 30,000 lumens / lamp up to 240,000 lumens
 - Power Required / lamp 200 watts
 - 120 VAC 1.7 amps / 240 VAC .84 amps
 - 12 VDC 16.7 amps / 24 VDC 8.4 amps

Available as
Powerlite
Light Tower



Smooth Deploy and Stow
with Smart Actuator



Identify the exact light position at any
given time with Smart Control System



The Night Scan Powerlite IQ was tested at -26°C (-15°F) with 6mm (1/4") of ice



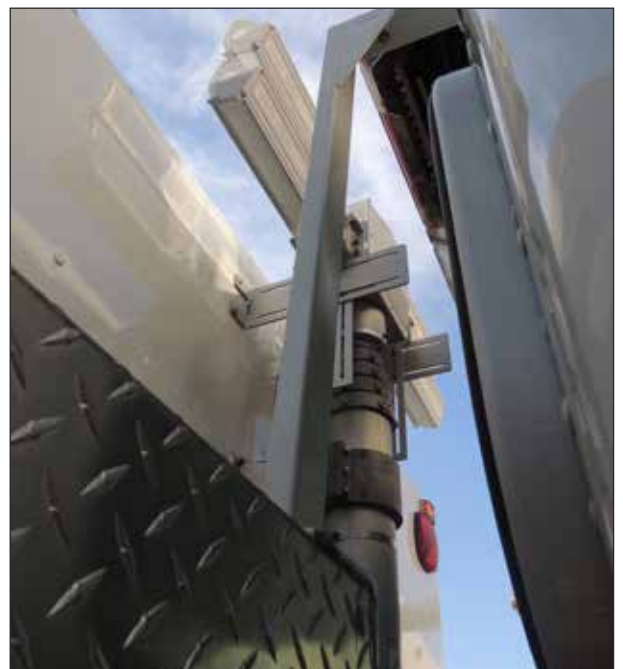
NIGHT SCAN® VERTICAL LIGHT TOWER

The Will-Burt Night Scan® Vertical Tower is a vertically mounted light tower which may be installed internally or externally to the side or rear of a vehicle. Used for elevating lights and/or cameras, it is typically used on heavy rescue vehicles, full-size mobile command centers, airport ARFF vehicles and large wreckers. Delivering up to 240,000 lumens with the Sirion light package, the Night Scan® Vertical Light Tower is ideal on any vehicle where maximum light and height are required.

SPECIFICATIONS

Night Scan® Vertical	5.4-17	6-20	7-25	8-30
Height (m / ft.)	5 / 17	6 / 20	7.6 / 25	9 / 30
Number of Lights Available	4, 6, 8 or 12	4, 6, 8 or 12	4, 6, 8 or 12	4, 6, 8 or 12
Light Type Available	LED	LED	LED	LED
Maximum Lumens	240000	240000	240000	240000
Full Pan and Tilt Light Positioning	Yes	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	Yes	Yes
VDC / Watts Maximum		12 or 24 / 1380		
VAC / Watts Maximum		120 or 240 / 9000		
Auto Deploy and Auto Stow®	Yes	Yes	Yes	Yes
Profiler - Space-Saving Fixture Option	Yes	Yes	Yes	Yes
D-TEC II® Power Line Detection System Option	Yes	Yes	Yes	Yes
Beacon Light Option	Yes	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes	Yes
Color Option	Standard color white. Black option for additional charge			
*Survival Wind Speed (km/h / mph)	161+ / 100+	141+ / 88+	119+ / 74+	101+ / 63+
Operating Temperature (°C / °F)	-30 to +65 / -22 to +149			

*Varies depending on light package - 125% NFPA Safety Factor



nightscan[®] by Will-Burt




























Tower and LED Light Package Options



Fit









Chief

Brand	Model	Light Warranty	Lumens / Lamp**	Watts	Voltage	Amps	1.0	2.3	1.0	1.8	2.3
							Tower Height (ft.)				
							3.25	7.5	3.25	6.0	7.5
 WILL-BURT		Limited Lifetime*	30,000	200	12 / 24	16.7 / 8.4					
					120 / 240	1.7 / .84					
 WILL-BURT		Limited Lifetime*	110,000 / 6	600	12 / 24	50 / 25					
					120 / 240	5.5 / 2.75					
 WILL-BURT		2	72,000 / 6	480	120 / 240	4.0 / 2.0					
 WILL-BURT		2	45,000 / 4	300	120 / 240	2.5 / 1.3					
 WILL-BURT		2	35,000 / 2	200	120 / 240	3.6 / 1.8			6	6	6
 WILL-BURT		2	22,500 / 2	150	120 / 240	1.3 / .7			4	4	4
 WILL-BURT		Limited Lifetime*	20,000	125	12 / 24 120 / 240	9.2 / 4.6 1.1 / .55		4 4	2 / 4	2 / 4	6
 WILL-BURT		5	14,000	50	12 / 24	4.2 / 2.1	4		2 / 4	2 / 4	2 / 4
 WILL-BURT					120 / 240	.42 / .21	4		2 / 4	2 / 4	2 / 4
 FRC		Limited Lifetime*	28,000	230	12	19.2				2	2
					24	9.2				2	2 / 4
				336	120 / 240	2.8 / 1.4				2	2 / 4
 FRC		Limited Lifetime*	20,000	230	12	18.3				2	2
					24	9.2				2	2 / 4
					120 / 240	2 / 1				2	2 / 4
 FRC		Limited Lifetime*	20,000	160	12	13				2 / 4	2 / 4
					24	6.5				2 / 4	2 / 4
 WHELEN [®]		Limited Lifetime*	20,614	150	120	1.3				2 / 4	2 / 4
			20,261		12 / 24	13 / 6				2 / 4	2 / 4
 WHELEN [®]		Limited Lifetime*	19,819	180	120	1.5				2	2 / 4
				225	12	18.8				2	2
			19,305	210	24	8.8				2	2 / 4

*See manufacturer's web site for limitations of warranty.

**Lumens per light manufacturer specifications - Multiply lumens by number of lamps for total lumens.

										 <div>*Visit nightscan.com to customize a light tower using our Night Scan EZ Spec interactive table</div>			
Chief Profiler		Powerlite			Powerlite Profiler		Powerlite Xtreme		Vertical Complete	Vertical			
1.8	2.3	2.3	3.0	4.5	3.0	4.5	6.0	7.5	2.3	5.4	6.0	7.8	8.0
Tower Height (ft.)													
6.0	7.5	7.5	10.0	15.0	10.0	15.0	20.0	25.0	7.5	17.0	20.0	25.0	30.0
			4 / 6 / 8	4 / 6 / 8						4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8
			4 / 6 / 8	4 / 6 / 8						4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8
			12	12	6	6				12	12	12	12
			12	12	6	6				12	12	12	12
			12	12						12	12	12	12
			8	8						8	8	8	8
		6											
2 / 3	2 / 3	4											
									2 / 4				
									2 / 4				
			4 / 6	4 / 6	3	3			2	4 / 6	4 / 6	4 / 6	4 / 6
			4	4	3	3			2				
			4 / 6	4 / 6	3	3	2 / 4	2	2	4 / 6	4 / 6	4 / 6	4 / 6
			4 / 6	4 / 6	3	3			2	4 / 6	4 / 6	4 / 6	4 / 6
			4	4	3	3			2 / 4				
			4 / 6	4 / 6	3	3	2 / 4	2	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
									2				
			4	4					2 / 4	4	4	4	4
2 / 3	2 / 3	4	4 / 6	4 / 6	3	3	4 / 6	2 / 4	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
2 / 3	2 / 3	4	4 / 6	4 / 6	3	3	4 / 6	2 / 4	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
			4 / 6	4 / 6			2 / 4	2	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
									2 / 4				
			4 / 6	4 / 6			2 / 4	2	2 / 4	4	4	4	

Revised: January, 2025_v1

ATHERION® IQ

You adapt to everything emergency scene, shouldn't your light tower do the same?

Atherion IQ scene lights, combined with a Night Scan IQ light tower gives you 100% control of your scene illumination.

Each 30,000 lumen lamp has a combination of powerful spot and flood LEDs that you control from the LCD screen of Night Scan IQ.

Night Scan Powerlite Dual Tilt action allows you to control two banks of lights independently. The staging area can be washed with floodlighting by one bank of lights, delivering wide and consistent coverage. The second bank of lights can be directed at the work area such as a car accident where the Atherion IQ lights can be dialed to spotlight mode, providing pinpoint illumination allowing your team to perform the most demanding tasks.

Alert oncoming traffic to your presence by setting one or both banks of light to flash mode – you control the speed.

There are some situations where too much light is on the scene – this is no problem for the IQ system – you can dim the lights to the proper level for the situation.

The Night Scan IQ System gives you total control of your scene lighting!

ATHERION IQ®



ESSENTIAL FEATURES

- Variable Illumination
 - Shift from Spot to Floodlight or anything in between
- Dimmable
 - Lower the light output for the situation
- Control Two Light Banks Independently
 - Floodlight and / or Spotlight and / or Flash
- Two light banks can be controlled independently – You Decide!
 - Flood and / or spotlight and / or Flash
 - Floodlight for staging area and Spotlight for work area
- Traffic Warning
 - Variable speed flash of one bank or two

- **Available on all Night Scan IQ light towers**
 - 4, 6, or 8 lamps / tower
 - 30,000 lumens / lamp up to 240,000 lumens
 - Power Required / lamp 200 watts
 - 120 VAC 1.7 amps / 240 VAC .84 amps
 - 12 VDC 16.7 amps / 24 VDC 8.4 amps



Independent control of each light bank



NIGHT SCAN® ATHERION IQ

The Atherion IQ gives you total control of your scene lighting. Up to 240,000 lumens of LED light can be quickly shifted from spot to floodlight or anything in between, allowing your team to perform the most demanding tasks safely and efficiently.

ATHERION IQ®

80° Flood / 20° Spot @ 300'



50° Flood / 50° Spot @ 300'



30° Flood / 70° Spot @ 300'



NIGHT SCAN® SIRION

The Most Powerful Night Scan...*EVER!*

Sirion LED lamps deliver maximum illumination on Night Scan light towers. These scene lights were designed to optimize the inherent benefits that Night Scan light towers have over the competition. A mix of short and long-range optics insure that the proper level of illumination is provided whether the tower is fully extended to cover the maximum area for a large and diverse scene or lowered to provide intense light on a focused situation.



Now Available in narrow Profiler design

sirion®



ESSENTIAL FEATURES

- Consistent and constant illumination from the beginning of the mission until the end is assured by an electronic thermal management system and top bin LEDs
- Water-proof and designed for high-vibration applications
- Compact and highly efficient
- Limited Lifetime Warranty

The three major areas of a nighttime scene are illuminated by Sirion Triple Coverage optics technology:

- The critical work area is illuminated by focused spot light optics
- The apparatus is covered by short-range flood lamps
- The entire scene is evenly illuminated by long-range flood lights

Sirion available on the following light towers:

Night Scan Powerlite: 3.0 and 4.5

Night Scan Vertical Powerlite: 17', 20', 25' and 30'

Total power 1,200 watts

120 VAC / 11 amps, 240 VAC / 5.5 amps

12 VDC / 50 amps, 24 VDC / 25 amps

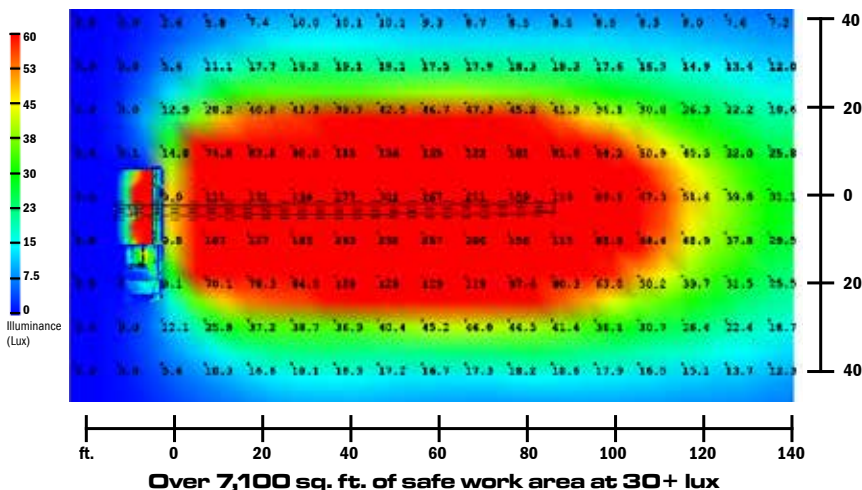
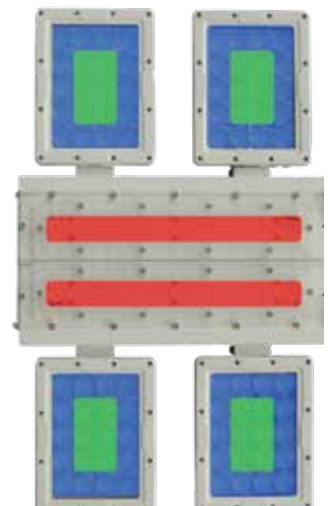
Effective lumens are a true measure of real world light output of a fixture.

Raw lumens don't tell the entire story. Bigger numbers don't always mean more light.

Sirion Light Package

Raw Lumens: 220,000 / Effective Lumens: 122,340

30 LUX of light is considered safe for a work area by NFPA



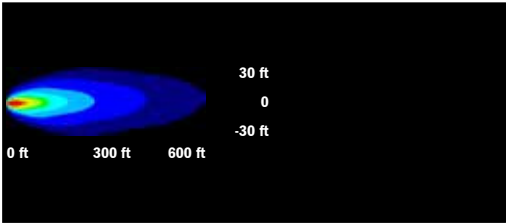
NIGHT SCAN® LED LAMPS

The Night Scan family of LED lamps are the only LED scene lights designed specifically for Night Scan light towers. These lamps are engineered to optimize the inherent benefits of Night Scan towers, producing more light, using less power, and covering larger areas. Reliable in extreme environments, the Night Scan family of LED lamps are IP69K rated for high-pressure spray and are submersible under water. Consistent illumination from the beginning of the mission until the end is assured by an electronic thermal management system, large heat sinks, and top-bin LEDs.

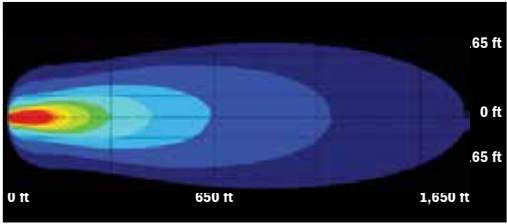
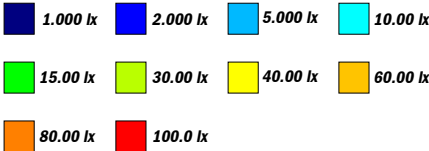
The Night Scan LED lamps deliver maximum lighting performance and will always create light through out the mission. The 220,000 lumen Sirion provides usable light for more than the area of a football field.



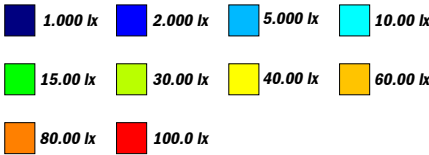
MORE LIGHT COVERAGE



Model	X200	
Raw Lumens	20,000 each	
Effective Lumens	11,323 each	
Warranty	Limited Lifetime	
Optics	Double - Spot / Flood	



Model	Sirion	
Raw Lumens	110,000 each	
Effective Lumens	61,170 each	
Warranty	Limited Lifetime	
Optics	Triple - Spot / Short & Long Flood	



VALUE-ADDED ACCESSORIES

BEACON LIGHTS

Will-Burt lighting solutions include reliable, compact beacon lights for added visibility and safety. Beacon lights feature a rugged, impact-resistant polycarbonate dome and base, exceptional fiber optics, and a double-flash power supply that automatically adjusts to function at any voltage – from 12V to 24V DC. They meet SAE J1318 Class 3 specifications and are available in LED beacons and a variety of colors: amber, blue, clear, red and green.



REMOTE CONTROLLERS

Will-Burt offers wired and wireless full-function, simple-to-use remote controls. Designed for rugged environments and gloved hands, they can withstand the harshest weather and operating conditions.

All controllers have an emergency stop button for immediate reaction to unexpected situations. All controllers have a one button auto-deploy and auto-stow function to simplify tower operation and they also include a digital display for status feedback.

Choose from our handheld tethered models or a panel-mount version. A full-function, wireless / rechargeable remote-control system with 300' range is available for all Night Scan models. The wireless remote can also be paired with an optional tethered remote control for the ultimate in flexibility and peace of mind operation.



**Night Scan Universal
Wireless Controller**

WIRED REMOTES



Chief and
Vertical Complete

Powerlite, Xtreme
and Vertical

WIRELESS REMOTE



All Night Scan
Models

PANEL MOUNT CONTROLS



Chief and
Vertical Complete

Powerlite, Xtreme
and Vertical

D-TEC® LIVE POWER LINE DETECTION SYSTEM

The D-TEC® safety system provides overhead power line detection and above-the-mast illumination. The built-in high voltage, electromagnetic and electrostatic field detection system automatically stops mast extension, providing added protection for the operator and equipment. The D-TEC® safety system is available on powerlite and vertical telescoping masts.

D-TEC® SAFETY FEATURES:

- Dual threshold AC alert, E-Field (current) and H-Field (magnetic)
 - AC voltage detection range starting at 110VAC/60Hz
- Senses both AC current and AC voltage
- 3-axis field detection
- LED Look-Up Light
- Audible alerts
- Alphanumeric LED display
- Built-in Emergency Bypass
- Expanded self-testing features
- Factory pre-set siren and verbal warning in English and Spanish



MOBILE VIDEO SYSTEMS

Will-Burt Night Scan® Light Towers deliver the capability of camera mounting, with or without lights. A camera, elevated to a height from 3.25 ft. to 30 ft. above the vehicle roof, allows ground personnel to survey an emergency scene quickly and efficiently. In addition, the system offers real-time monitoring and surveillance for accurate records and documentation. Will-Burt has several camera and DVR packages that fit a variety of needs. Our video solutions experts can also design a customized package to fit your specific requirements. Below is a sample of our video solutions.



VIDEO CAMERAS



INFINITI TRITON HD IP POE PTZ CAMERA PLUS IR ILLUMINATOR Rugged PTZ Camera with HD Video

Infrared Illuminator: 50 Meters

The Infiniti Triton's LED arrays provide up to 50m of IR illumination ensuring 24/7 day night imaging even in complete darkness.



INFINITI TRITON HD IP PTZ CAMERA PLUS THERMAL IMAGER Rugged PTZ Camera with Dual HD Video and Thermal Modules

The Infiniti Triton HD IP PTZ Camera Plus Thermal Imager utilizes the very latest in both thermal core and lens technology, providing advanced surveillance capabilities in a rugged aluminum weather ready enclosure.

The continuous rotation dual sensor PTZ camera uses an uncooled Vanadium Oxide (Vox) Thermal Core, delivers 384 x 288 pixel resolution.

The PTZ is well suited for mid-range surveillance applications and supports simultaneous video verification provided by a 30x HD IP zoom module.



SPECIFICATIONS

	HD Video Camera		Thermal Imager	
	Triton HD IP POE w/ IR Illuminator	Triton HD IP + Thermal Imager	Triton HD IP + Thermal Imager	
Camera Type	PTZ IP POE w/ IR Illuminator - 50m	PTZ IP w/ Thermal Imager	Image Sensor	Uncooled VOx Microbolometer
Lens	4.8mm to 144.0mm		Pixel Pitch	12µm
Image Sensor	2.4MP 1/2.8" CMOS		Lens	19mm f/1.0
Resolution	2MP/1080p @ 30fps (1920 x 1080)		Spectral Range	7,000-14,000nm (LWIR)
Optical Zoom / Digital Zoom	30X Optical Zoom + 16X Digital		Thermal Sensitivity	50mK
Low Light	Color: 0.005 Lux @ f/1.5 B&W: 0.0005 Lux @ f/1.5		Resolution	384 x 288
Compression	H.265/H.264/MJPEG		Field of View	13.8° Horizontal FOV
Protocol	ONVIF, HTTP, RTSP, RTP, TCP, UDP		Frequency	30Hz
Pan Angle & Speed	360° Continuous, up to 80° / sec		Image Display	White Hot
Tilt Angle & Speed	-25° to + 90°, up to 60° / sec		Focus	Athermalized
Ingress Protection	IP66			
Image Stabilization	Electronic Image Stabilization (EIS)			
NDAA Compliant	Yes			
Camera Warranty	1 Year			

VIDEO CAMERAS



WONWOO IP PTZ WITH IR
Surveillance And Scene Monitoring with Infrared Feature

WONWOO

Ideal For Use in Harsh Environments

The weatherproof IP IR PTZ camera with pan/tilt mechanism is ideal for use in harsh environments. It incorporates a powerful 20x optical zoom lens, allowing for a zoom capacity of up to 240x when used in combination with its 12X digital zoom. The integrated Advanced BLC technology is used to improve the cameras dynamic range by 128 times, resulting in high definition image reproduction during extreme high contrast environments. HD-SDI or IP video options.

SPECIFICATIONS

Camera Type	PTZ - IP with Infrared Illuminator
Lens	4.7mm - 94.0mm
Image Sensor	1/3" 2.2M Pixel CMOS Sensor
Resolution	1920 x 1080 pixels - 1080p
Optical Zoom / Digital Zoom	20x / 12x
Low Light	0.0005 LUX with 12 IR LED's / 120m
Pan & Tilt	360° endless pan / 15° - 270° tilt
Ingress Protection	IP66 - Outdoors
Camera Warranty	1 years

VIPER HD IP POE PTZ CAMERA | The Richest Viewing Experience Possible

IP H.265 Video Encoding

The Viper High Definition Pan/Tilt/Zoom Camera provides high resolution broadcast video with a notably sharper, crisper and clearer picture. Features that include Hydrophilic "self cleaning" glass window, Wide Dynamic Range (WDR), Electronic Image Stabilization, and DeFog deliver a consistent image regardless of environmental conditions.



SPECIFICATIONS

Camera Type	POE PTZ - IP High Definition
Lens	129.0mm - 4.3mm
Image Sensor	1/2.8" Exmor CMOS 2.14 Megapixel
Resolution	1080p x 720p
Optical Zoom / Digital Zoom	30x / 12x
Low Light	High Mode On: 0.00013 lux High Mode Off: 0.0008 lux
Pan & Tilt	360° continuous pan and tilt
Ingress Protection	IP68 - Waterproof
Camera Warranty	2 years



VIDEO CAMERAS

ANALOG IR ALUMINUM SHELL SIDE CCD CAMERA | Available in Narrow or Wide Viewing Angle

The stationary analog IR video camera uses infrared (IR) technology to capture video in low-light or no-light conditions. They are often used in security applications where reliable, continuous monitoring is required. The aluminum shell side CCD Camera is designed to be mounted on the side of a building or vehicle. Available with a narrow or wide viewing angle, the analog IR camera provides a clear view of the emergency scene and ground personnel, enhancing safety and convenience.



SPECIFICATIONS

Camera Type	Analog	Low Light	0 LUX with 10 IR LED's
Lens	8mm / 2.8 mm	Pan & Tilt	No
Image Sensor	Sharp CCD	Ingress Protection	IP67 - Waterproof
Resolution	510 x 492 / 420 TV lines	Camera Warranty	1 years
Optical Zoom / Digital Zoom	Fixed		



DVR WITH QUAD LCD MONITOR | 7" Quad Screen DVR Color LCD Monitor

Will-Burt's DVR with Quad LCD Monitor provides standard definition recording and video quality. This Microsoft Windows based system is ideal for recording events that do not require watermarking and encryption. This combination unit is a convenient and cost effective solution for viewing and recording a variety of events from up to 4 cameras.

Display Resolution (H x V)	800 x 480 pixels (RGB)
Card Storage	Up to 32GB SD
Video Input	4-channel 1.0Vp-p, 75Ω
DVR Video Resolution	800 x 600 / 720 x 480 / 640 x 480 / 320 x 240
DVR Video Frame	20fps at 800 x 600 30fps at 720 x 480 30fps at 640 x 480 60fps at 320 x 240 pixels

VIDEO CAMERA CONTROLLERS

PELCO-D COMPATIBLE CONTROLLER WITH LED SCREEN

Works with PositionIt Positioner AND Compatible Camera Systems

The Pelco-D compatible handheld controller with LED screen has all of the features necessary to optimize the performance of the PositionIt positioner. Precision joystick controller flawlessly controls the pan and tilt functions. Includes LED screen, keyboard and programmable presets that simplify operation. The positioner handheld controller can also be optionally used in conjunction with the pan and tilt positioner controller.

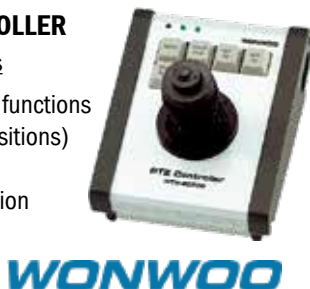
Input Voltage	12 VDC
Communication Interface	RS485
Operating Temperature (°F / °C)	15 - 131 / 0 - 55
Dimensions (in. / mm)	6.2 x 5.9 x 4.2 / 158 x 150 x 107



WONWOO PTZ MINI CONTROLLER

Works with ALL Wonwoo Models

- 3-Axis joystick control of PTZ functions
- Preset position control (4 positions)
- IR ON / OFF button
- Fan & heater ON / OFF function
- Slave keyboard support



IP COMPATIBLE CONTROLLER WITH LED SCREEN

Works with IP POE Cameras Using ONVIF Protocol

*Simple setup of presets and four functions

Input Voltage	12 VDC
Communication Interface	ONVIF 2.4
Operating Temperature (°F / °C)	15 - 131 / 0 - 55
Dimensions (in. / mm)	6.2 x 5.9 x 4.2 / 158 x 150 x 107



**CONTACT YOUR SALES
REPRESENTATIVE TODAY**



WILL-BURT NORTH AMERICA

WORLD HEADQUARTERS

401 Collins Boulevard, Orrville, OH 44667 USA
Telephone: +1 330 682 7015
Mast Customer Service: +1 330 684 4000
Fax: +1 330 684 1190
Email: info@willburt.com

**WILL-BURT
UNITED KINGDOM**

Unit 5b, Station Approach, Four Marks,
Alton Hampshire, GU34 5HN, United Kingdom
Telephone: +44 (0) 1403 265532
Fax: +44 (0) 1403 259072
Email: info@willburt.com

WILL-BURT INTEGRATION

ALUMA TOWER | ITS

7750 9th Street SW
Vero Beach, FL 32968 USA
Telephone: +1 772 567 3423 | +1 800 850 8535
Fax: +1 772 567 3432
Aluma Tower Email: info@alumatower.com
ITS Email: programs@itstowers.com

**WILL-BURT ASIA
SINGAPORE SALES OFFICE**

1 Fullerton Road, #02-01
One Fullerton, Singapore 049213
Telephone: +65 6832 5689
Fax: +65 6722 0664
Email: info@willburt.com

**WILL-BURT
GERMANY**

Fischergasse 25
D-91344 Waischenfeld, Germany
Telephone: +49 9202 180
Fax: +49 9202 1811
Email: info@willburt.com

CLARK MASTS

A WILL-BURT COMPANY

18-20 Ringwood Road, Binstead,
Isle of Wight, PO33 3PA, England
Telephone: +44 (0) 1983 563691/567090
Fax: +44 (0) 1983 566643/811157
E-mail: sales@clarkmasts.com

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.



Disclaimer: Dimensions and weights are for reference only and are subject to change.
Please contact Will-Burt for current engineering specifications.

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The Will-Burt Company
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