



MOBILE LIGHTING, VIDEO AND COMMUNICATIONS SOLUTIONS



WWW.WILLBURT.COM



The Will-Burt Company, located in Orrville, Ohio, USA, is the world's premier manufacturer of telescoping pneumatic and mechanical masts, light towers, video towers and lattice tower elevation solutions – the world's one stop shop offering virtually every payload elevation solution from one source – for law enforcement, military, fire, cellular, broadcast, entertainment and other applications. Will-Burt is an employee-owned company that has been operating nearly 100 years, providing the best elevation and payload integration solutions available. Will-Burt has a strong commitment to the continuous improvement process set forth by its ISO 9001:2015 certified quality system.

Will-Burt Night Scan® Light Tower and Video Advantages

- Minimal vehicle space required with lightweight and compact design
- Full internal wired design protects payload power and data transmission lines
- Provides 360° of light – dual tilt feature provides light in two directions at once
- Fast and Flexible – light at any height and in any direction and automatic stow function
- Reliable in extreme environments – Tested and proven in the cold and ice of Canada and the heat and dust of Afghanistan.
- Designed to accommodate cameras in combination with lights or camera only
- Easy and safe to operate with multi-function hand held control with LED information screen

Will-Burt can install lights on any vehicle, new or already in service.

Squad / Utility and Mobile Command, Pumper, Engine, Rescue, Hazmat, Aerial, ARFF

TABLE OF CONTENTS



**NIGHT SCAN®
LIGHTING SOLUTIONS.....3-7**



**ELEVATION
SOLUTIONS12-15**



**LIGHTING GUIDE
AND ACCESSORIES8-11**



**VIDEO SOLUTIONS
AND POSITIONERS16-23**

NIGHT SCAN® SPOT

The Night Scan Spot is a rotatable, remote-controlled LED light. The wireless remote allows the light to be remotely adjusted by the operator.

With a vertical tilt up of 70° and 45° tilt down and an infinite horizontal rotational range (clockwise and counterclockwise), The Night Scan Spot from Will-Burt allows for pan-tilt motion. Also equipped with a flashing alert feature, the remote-controlled LED light can be used to warn approaching motorists or pedestrians of potential hazards or help is needed. It can also be used with service vehicles to alert the on-coming vehicles there are people at work, and more.

SPECIFICATIONS

Operating Voltage	10 - 30VDC
Power Consumption	80W
Maximum Distance for Operating Remote Control	Up to 130 ft.
Weight	7 lbs. (3.2KG)
Remote Control Battery	(1) 23A battery



nightscan spot

NIGHT SCAN® SCOUT

Night Scan Scout floods your rescue scene with powerful LED light that lets you get the job done quickly and safely. Scout delivers the flexibility to be mounted almost anywhere on your mobile platform; roof, roll-bar, crane, boom, nearly any solid surface. Scout is a 12 volt system powered directly from your vehicle, no need for an expensive generator. Two long range wireless remote controls are provided with every light system. Night Scan Scout is an essential tool for nighttime operations.

SPECIFICATIONS

Total Lumens	40,000	
Height	10 in. / 254 mm	
Width	20 in. / 508 mm	
Depth	5.5 in. / 140 mm	
Weight	36.5 lb. / 16.5 kg	
Operating Temperature	-20°C to 50°C / -4°F to 122°F	
IR Rating - Waterproof	Lights: IP69K	Positioner: IP68
Pan Axis (rotation)	400° (±200°)	
Tilt Axis	180° (±90°)	
Maximum Continuous Power	263 watts	
Maximum Running Current	21.9 amps	
Input Voltage	12 VDC - 24 VDC and AC Options	



ESSENTIAL FEATURES

- **Direct 40,000 lumens of light exactly where you need it**
 - Control both rotation and tilt angle of lights
- **2 wireless long-range remote controls**
- **Install anywhere**
- **Fits any size vehicle**
- **Water-proof / Weather-proof**
- **12 volt operation**

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.

Night Scan® Chief	1.0	1.8	2.3
Height (ft.) / (m)	3.25 / 1	6 / 1.8	7.5 / 2.3
System Weight Range (lb.) / (kg)	97 lb. / 44 kg - 135 lb. / 61 kg		
Auto Deploy and Auto Stow®	Yes	Yes	Yes
Time to Light	8 seconds	8 seconds	10 seconds
Number of Lights Available	2 or 4	2 or 4	2, 4 or 6
Light Type Available	LED / Halogen	LED / Halogen	LED / Halogen
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
Profiler - Space-Saving Fixture Option	Yes - 2 or 3 lights	Yes - 2 or 3 lights	Yes - 2 or 3 lights
Strobe Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
*Wind Speed Survival	140+ mph / 225+ km/h	140+ mph / 225+ km/h	114 - 140 mph / 184 - 225 km/h
Operating Temperature	-22°F to +149°F / -30°C to +65°C		

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



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 220,000 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 on-board compressor. The 2.3 comes with a built-in compressor.

Profiler narrow
light fixture option



Night Scan® Powerlite	2.3	3.0	4.5
Height (ft.) / (m)	7.5 / 2.3	10 / 3	15 / 4.5
System Weight Range (lb.) / (kg)	139 lb. / 63 kg - 178 lb. / 81 kg		
Auto Deploy & Auto Stow®	Yes	Yes	Yes
Time to Light	8 seconds	12 seconds	14 seconds
Number of Lights Available	4 - Night Scan XL 200 only	4 or 6	4 or 6
Light Type Available	LED	LED / Halogen	LED / Halogen
Maximum Lumens	80000	220000	220000
Full Pan & Tilt Light Positioning	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	Yes
VDC / Watts Maximum	12 or 24 / 500	12 or 24 / 1380	12 or 24 / 1380
VAC / Watts Maximum	N/A	120 or 240 / 9000	120 or 240 / 9000
Profiler - Space-Saving Fixture Option	No	Yes - 2 or 3 lights	Yes - 2 or 3 lights
D-TEC® Power Line Detection System Option	No	Yes	Yes
Strobe Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
*Wind Speed Survival	114 - 140 mph / 184 - 225 km/h	86 - 140 mph / 138 - 225 km/h	69 - 118 mph / 111 - 190 km/h
Operating Temperature	-22°F to +149°F / -30°C to +65°C		

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



NIGHT SCAN® XTREME

The Will-Burt Night Scan® Xtreme is a roof-mounted, fold-down light tower which requires no interior vehicle space. It has been designed for applications where maximum height is required, such as hilly terrain, locales with mature trees or urban areas with tall buildings. Opposable light fixtures provide equal lighting forward and backward at the same time – 360° of light. The Night Scan® Xtreme can be elevated with truck air or optional on-board compressor. When the situation requires maximum elevation, Night Scan® Xtreme is the light tower you need.

NIGHT SCAN® VERTICAL COMPLETE

The Will-Burt Night Scan® Vertical Complete is a vertically mounted light tower which was created to be installed externally to the side or rear of a vehicle. This light tower includes an on-board compressor for elevation and requires no truck air. Used for elevating lights and/or cameras, it is perfect for smaller vehicles where space is limited. Measuring less than 6 inches (16 cm) deep, it can even fit between the cab and box. The compressor box can be placed below or beside the mast to suit your specific vehicle requirements.

Night Scan Model	Xtreme 6.0	Xtreme 7.5	Vertical Complete 2.3
Height (ft.) / (m)	20 / 6	25 / 7.5	7.5 / 2.3
System Weight Range (lb.) / (kg)	161 lb. / 73 kg – 199 lb. / 91 kg		70 lbs. / 32 kg - 85 lbs. / 39 kg
Auto Deploy & Auto Stow®	Yes	Yes	Yes
Time to Light	17 seconds	21 seconds	10 seconds
Number of Lights Available	2, 4 or 6	2 or 4	2 or 4
Light Type Available	LED / Halogen	LED / Halogen	LED / Halogen
Maximum Lumens	210000	140000	140000
Full Pan & Tilt Light Positioning	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	No
VDC / Watts Maximum	24 / 920	24 / 460	12 or 24 / 920
VAC / Watts Maximum	120 or 240 / 9000	120 or 240 / 6000	120 or 240 / 6000
Profiler – Space-Saving Fixture Option	Yes	Yes	No
D-TEC® Power Line Detection System Option	Yes	Yes	No
Strobe Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
*Wind Speed Survival	64 - 94 mph / 103 - 151 km/h	62 - 78 mph / 100 - 126 km/h	114 - 140 mph / 184 - 225 km/h
Operating Temperature	-22°F to +149°F / -30°C to +65°C		-22°F to +149°F / -30°C to +65°C

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



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 210,000 lumens, the Night Scan® Vertical Light Tower is ideal on any vehicle where maximum light and height are required.



Night Scan® Vertical	5.4-17	6-20	7-25	8-30
Height (ft.) / (m)	17 / 5	20 / 6	25 / 7.6	30 / 9
Auto Deploy and Auto Stow®	Yes	Yes	Yes	Yes
Number of Lights Available	4 or 6	4 or 6	4 or 6	4 or 6
Light Type Available	LED / Halogen	LED / Halogen	LED / Halogen	LED / Halogen
Maximum Lumens	210000	210000	210000	210000
Full Pan and Tilt Light Positioning	Yes	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	Yes	Yes
VDC / Watts Maximum	24 / 1,950	24 / 1,950	24 / 1,950	24 / 1,950
VAC / Watts Maximum	120 or 240 / 9000	120 or 240 / 9000	120 or 240 / 9000	120 or 240 / 9000
Profiler - Space-Saving Fixture Option	Yes	Yes	Yes	Yes
D-TEC II® Power Line Detection System Option	Yes	Yes	Yes	Yes
Strobe Light Option	Yes	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes	Yes
















STANDARD DUTY NON-LOCKING INTERNALLY WIRED MAST SPECIFICATIONS

Model	3.3-10	4.7-10	5.7-13	4.3-15	6.7-16	5.4-17	6-20	7-25	8-30
Payload Capacity (lbs.) / (kg)*	100	50	50	100	50	100	100	100	100
Extended Height / (ft.) / (m)	8.4 / 2.6	10.2 / 3.1	13.3 / 4	13.4 / 4.1	16.3 / 5	17 / 5.2	20.4 / 6.2	25.4 / 7.7	30.4 / 9.3
Nested Height (ft.) / (m)	3.3 / 1	4.7 / 1.4	5.7 / 1.7	4.3 / 1.3	6.7 / 2	5.3 / 1.6	6 / 1.8	7 / 2.1	8 / 2.4
Approx. Mast Weight (lbs.) / (kg)	35	27	32	45	37	50	55	60	65
Tube Diameter (in.) / (mm)	5-3 / 127-76	4-3 / 102-76	4-3 / 102-76	5-3 / 127-76	4-3 / 102-76	5-3 / 127-76	5-3 / 127-76	5-3 / 127-76	5-3 / 127-76
Number of Sections	5	3	3	5	3	5	5	5	5

nightscan[®]

by Will-Burt

Tower and Light Package Options

Brand	Model	Light Warranty	Type	Lumens / Lamp*	Watts	Voltage	Amps	<div>  Chief </div> <div>  Chief Profiler </div>				
								1.0	1.8	2.3	1.8	2.3
								Tower Height				
								3.25 ft.	6 ft.	7.5 ft.	6 ft.	7.5 ft.
		6	LED	20000	220	120 / 240	1.8 / 0.9		2	2		
FRC		5	LED	11000	90	12 / 24	7.5 / 3.75	2	2 / 4	2 / 4	2 / 3	2 / 3
			LED	20000	160	12	13		2 / 4	2 / 4		
			LED	20000	160	24	6.5		2 / 4	2 / 4		
FRC		5	LED	20000	230	12	18.3		2	2		
			LED	20000	230	24	9.2		2	2 / 4		
			LED	20000	230	120 / 240	2 / 1		2	2 / 4		
FRC		5	LED	28000	230	12	19.2		2	2		
			LED	28000	230	24	9.6		2	2 / 4		
			LED	28000	336	120 / 240	2.8 / 1.4		2	2 / 4		
FRC		5	LED	28000	230	12	20.8		2	2		
			LED	28000	230	24	10.4		2	2 / 4		
			LED	28000	336	120 / 240	2.8 / 1.4		2	2 / 4		
FRC		0	Halogen	10500	500	120	4.2		2 / 4	2 / 4	2 / 3	2 / 3
			Halogen	19600	750	120 / 240	6.3 / 3.1	2	2 / 4	2 / 4	2 / 3	2 / 3
			Halogen	22000	1000	120 / 240	8.3 / 4.2		2 / 4	2 / 4		
			Halogen	35000	1500	240	6.25		2 / 4	2 / 4		
FRC		0	Halogen	16100	750	120 / 240	6.25 / 3.5	2	2 / 4	2 / 4	2 / 3	2 / 3
			Halogen	22000	1000	240	4.2		2 / 4	2 / 4		
WHILEN		5	LED	9260	75	12.8	6	2	2 / 4	2 / 4	2 / 3	2 / 3
WHILEN		5	LED	18520	150	12.8 / 25.6	12 / 6		2 / 4	2 / 4	2 / 3	2 / 3
			LED	16790	150	115	1.2		2 / 4	2 / 4	2 / 3	2 / 3
WHILEN		5	LED	18520	150	12.8 / 25.6	12 / 6		2 / 4	2 / 4	2 / 3	2 / 3
			LED	16790	150	115	1.2		2 / 4	2 / 4	2 / 3	2 / 3
WHILEN		5	LED	20000	225	12	16.5		2	2		
			LED	20000	210	24	8.25		2	2 / 4		
			LED	17000	180	120	1.5		2	2 / 4		
W3 WILL-BURT		5	LED	20000	125	12 / 24	9.2 / 4.6			6	2/3	2/3
		10	LED	20000	125	12 / 24	9.2 / 4.6	2 / 4	2 / 4	2 / 4	2 / 3	2 / 3
			LED	20000	125	120 / 240	1.1 / .55	2 / 4	2 / 4	2 / 4	2 / 3	2 / 3
		10	LED	110000	600	12 / 24	50 / 25					
			LED	110000	600	120 / 240	5.5 / 2.75					

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



Powerlite



Powerlite Profiler



Powerlite Xtreme


Vertical
Complete


Vertical

***Visit nightsan.com
to customize a
light tower using our
Night Scan EZ Spec
interactive table**

2.3

3.0

4.5

3.0

4.5

6.0

7.5

2.3

5.4-17

6-20

7-25

8-30

Tower Height

7.5 ft.

10 ft.

15 ft.

10 ft.

15 ft.

20 ft.

25 ft.

7.5 ft.

17 ft.

20 ft.

25 ft.

30 ft.

4

4

2

2

2

2 / 4

2

2 / 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

2 / 4

4 / 6

4 / 6

3

3

2 / 4

2

2 / 4

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 / 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 / 6

4 / 6

3

3

2 / 4

2

2

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

3

3

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

3

3

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

3

3

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

2 / 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

3

3

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

3

3

4 / 6

4 / 6

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

4 / 6

3

3

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

2 / 4

4 / 6

4 / 6

2 / 4

2

2 / 4

4

4

4

4 / 6

4 / 6

2 / 4

2

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4

4 / 6

4 / 6

3

3

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

4

4 / 6

4 / 6

3

3

4 / 6

2 / 4

2 / 4

4 / 6

4 / 6

4 / 6

4 / 6

2

2

1

1

2

2

2

2

2

2

1

1

2










2

2

2

LIGHTING GUIDE

Will-Burt offers a variety of light options from the top brands in lighting to meet our customers' specific needs. Virtually every electrical system requirement can be met with our lighting solutions. Lighting packages are available in 12 and 24 volt DC and 120 and 240 volt AC. The most sophisticated and long lasting LED lighting available in the market today is offered in low power consumption and high lumen output arrangements. Halogen packages are available for applications where traditional, lower initial cost lighting is needed.

Lighting Comparison	LED (Light Emitting Diode)	Halogen
Although LED lights are more expensive than halogen, LEDs do not require a costly generator. LEDs offer the lowest lifetime cost.	LED lamps are the most efficient light source available, producing more lumens per watt than any other type. LEDs also produce instant light that is closer to daylight than HID or Halogen, which can make a scene appear brighter. LEDs are the longest lasting source of light because they do not use a filament to produce light.	Halogen lamps provide high lumen output and instant light at a low price. However, Halogen bulbs do consume the most power per lumen and also have the shortest life expectancy, requiring bulb replacement throughout the life of the apparatus. Halogen lights typically require a generator.
Lumen Range / Lamp	8,000 - 28,000	10,500 - 35,000
Average Expected Life	50,000 hours	250 hours
Initial Cost		
Lifetime Cost		
Cost / Lumen		
Power Consumption / Lumen		
Brands	   	

VALUE-ADDED ACCESSORIES

STROBE LIGHTS

Will-Burt lighting solutions include reliable, compact strobe lights for added visibility and safety. Strobes 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



PNEUMATIC NON-LOCKING TELESCOPING MASTS

The Will-Burt Pneumatic Heavy-Duty Non-Locking (HDNL) and Super Heavy-Duty Non-Locking (SHDNL) Masts offer a light-weight solution with a high payload lifting capacity. Our Pneumatic Non-Locking Masts also feature high pointing accuracy and long mast life for high performance and dependability. The pneumatic heavy-duty design makes it inherently safe – the payload sits on a “cushion of air” enabling it to better absorb shocks for on-the-move applications*. What's more, the Pneumatic Non-Locking Masts have controlled exhausting of air for smooth and safe retraction. Locking models are available for extended deployments.

ESSENTIAL FEATURES

- **Maintains azimuth - minimal twist deflection**
Reliable full-length external keyways
Operates in extreme environments
External wipers protect against sand and dust
- **Low maintenance and life-cycle costs**
Easy to operate and maintain
low friction synthetic bearings
- **Long life**
Black hardcoat protects against salt fog corrosion

SUPER HEAVY DUTY NON-LOCKING MASTS SPECIFICATIONS

Model*	10-38	12-48
Payload Capacity	1,200 lbs. / 544 kg	1,200 lbs. / 544 kg
Extended Height	38 ft. / 11.6 m	48 ft. / 14.6 m
Nested Height	10 ft. / 3 m	12 ft. / 3.6 m
Approximate Mast Weight	400 lbs. / 181 kg	475 lbs. / 215 kg
Number of Sections	5	5
Tube Diameter	11.25" - 7.5" / 286-191 mm	11.25" - 7.5" / 286-191 mm
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)



LOW-PROFILE NON-LOCKING MASTS SPECIFICATIONS

Model*	7-27	6-29	7-42	6-42	7.3-50
Payload Capacity	300 lbs. / 136 kg	200 lbs. / 91 kg	300 lbs. / 136 kg	200 lbs. / 91 kg	200 lbs. / 91 kg
Extended Height	26.7 ft. / 8.2 m	28.4 ft. / 8.7 m	41.2 ft. / 12.5 m	41.2 ft. / 12.5 m	50 ft. / 15.3 m
Nested Height	6.5 ft. / 2 m	6 ft. / 1.8 m	6.8 ft. / 2.1 m	6.3 ft. / 1.9 m	7.3 ft. / 2.3 m
Approximate Mast Weight	118 lbs. / 53 kg	119 lbs. / 54 kg	230 lbs. / 104 kg	223 lbs. / 101 kg	257 lbs. / 117 kg
Sections	5	6	8	9	9
Tube Diameter	6.75 in. / 17.15 cm through 3.75 in. / 9.53 cm	6.75 in. / 17.15 cm through 3 in. / 7.62 cm	9 in. / 22.86 cm through 3.75 in. / 9.53 cm	9 in. / 22.86 cm through 3 in. / 7.62 cm	9 in. / 22.86 cm through 3 in. / 7.62 cm
Collars	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking
Maximum Operating Pressure	35 psig (2.4 bar)	35 psig (2.4 bar)	35 psig (2.4 bar)	35 psig (2.4 bar)	35 psig (2.4 bar)

STANDARD DUTY NON-LOCKING MASTS SPECIFICATIONS

Model*	5-20	6-27	7-34	8-30
Payload Capacity	70 lbs. / 32 kg	40 lbs. / 18 kg	40 lbs. / 18 kg	100 lbs. / 45 kg
Extended Height	20 ft. / 6.1 m	27 ft. / 8.2 m	33.8 ft. / 10.3 m	29.8 ft. / 9.1 m
Nested Height	5.3 ft. / 1.6 m	6 ft. / 1.8 m	7 ft. / 2.1 m	8 ft. / 2.4 m
Approx. Mast Weight	45 lbs. / 21 kg	54 lbs. / 25 kg	67 lbs. / 31 kg	64 lbs. / 29 kg
Number of Sections	6	7	7	5
Tube Diameter	5-2.5" / 127-64 mm	5-2" / 127-51 mm	5-2" / 127-51 mm	5-3" / 127-76 mm
Maximum Operating Pressure	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)

*Capacity will be affected by wind sail area. Consult factory.



INFLEXION™

INFLEXION™ ROOF-MOUNTED TELESCOPING MAST



The Will-Burt Company has partnered with the industry leaders in broadcast vehicle integration for over 30 years. This has allowed Will-Burt to identify advances and changes in broadcast technology early and design elevation solutions to optimize that technology.

Inflexion™ was designed to meet the elevation requirements of smaller, advanced broadcast devices. The roof-mounted, self-contained Inflexion™ can easily be integrated onto nearly any vehicle, from traditional broadcast vans to small, front-wheel drive vehicles. This allows you to take full advantage of fuel and vehicle cost savings.



STANDARD FEATURES

- **Compact, roof-mount design**
 - No interior space needed
- **Self-contained elevation system**
 - No compressor or generator required
- **Years of reliable service**
 - Field proven design with over 25 years of service - 2 year manufacturer warranty
- **High payload capacity and height options**
 - From 5 ft. / 1.5 m to 25 ft. / 7.5 m
- **Accommodates a variety of payloads**
 - Antennas, satellite dish, radar, lighting and cameras
- **12 VDC operation**
- **Color**
 - White
- **Analog Handheld controller**
 - Includes mast up/down function

OPTIONAL FEATURES

- **PositionIt**
 - Integrated pan and tilt positioner
- **InflexionPlus**
 - Accommodates full function handheld controller (sold separately)
- **Color**
 - Black
- **Internal wiring or Nycoil**
 - Consult factory for specific application
- **24 VDC operation**

INFLEXION™ SPECIFICATIONS

Model	1.0	1.5	1.8	2.3	3.0	4.5	6.0	7.5
Extended Height	39" / 99 cm	59" / 150 cm	60" / 152 cm	79" / 200 cm	108" / 274 cm	168" / 427 cm	228" / 579 cm	287" / 729 cm
Maximum Payload Capacity*	60 lb / 27 kg	60 lb / 27 kg	60 lb / 27 kg	60 lb / 27 kg	100 lb / 45 kg	100 lb / 45 kg	70 lb / 31 kg	57 lb / 25 kg
Stowed Dimensions (Approximate) (L x W x H in. / cm)	41.5" x 15" x 10" / 104 x 38 x 25	66" x 12" x 12" / 165 x 30 x 29	37" x 15" x 10" / 94 x 38 x 25	43" x 16" x 11" / 110 x 38 x 23	51" x 16" x 12" / 130 x 41 x 31	63" x 16" x 12" / 159 x 40 x 29	80" x 16" x 11" / 202 x 40 x 28	91" x 16" x 11" / 223 x 40 x 28
Approximate System Weight	60 lb / 27 kg	52 lb / 24 kg	63 lb / 29 kg	66 lb / 30 kg	105 lb / 48 kg	110 lb / 50 kg	123 lb / 56 kg	134 lb / 61 kg
Operating Temperature Range	-22°F to +149°F / -30°C to +65°C							

*The added weight of a positioner or D-TEC II will reduce maximum payload capacity. Capacity will be affected by wind sail area. Consult factory.

KVL TELESCOPIC CRANK MAST

The family of light duty GEROH Telescopic Crank Masts is characterized by lightweight construction in addition to superior stability, reliability and long life. The KVL mast system is in use in police, military and commercial applications such as communications, surveillance and lighting and is designed for vehicle, trailer, shelter or field deployment.

The mast sections consist of close tolerance precision mast profiles which ensure precise pointing accuracy, and the mast can be deployed to any height. Safe and easy deployment and retraction is assured, even with ice or heavy wind conditions.

The KVL is well-suited for deploying surveillance equipment, lighting systems and communications antennae.

ESSENTIAL FEATURES

- **Payloads up to 55 lbs. (25 kg)**
- **Heights up to 40 ft. (12 m)**
- **Optimized for:**
 - **Surveillance**
 - **Scene lighting**
 - **Communications**
- **Designed for trailer, shelter, vehicle or field mounting**

KVL SPECIFICATIONS

Specifications	2.5 KVL 3	4 KVL 4	6 KVL 5	8 KVL 5	10 KVL 6	12 KVL 6
Extended Height	8.2 ft. / 2.5 m	13.1 ft. / 4 m	19.6 ft. / 6 m	26.2 ft. / 8 m	32.8 ft. / 10 m	39.2 ft. / 12 m
Nested Height	3.5 ft. / 1.1 m	4.2 ft. / 1.3 m	5 ft. / 1.5 m	6.2 ft. / 1.9 m	6.9 ft. / 2.1 m	7.9 ft. / 2.4 m
Payload Capacity	55 lbs. / 25 kg	55 lbs. / 25 kg	55 lbs. / 25 kg	44 lbs. / 20 kg	33 lbs. / 15 kg	33 lbs. / 15 kg
Approximate Mast Weight	35 lbs. / 16 kg	45 lbs. / 20.5 kg	53 lbs. / 24 kg	68 lbs. / 31 kg	88 lbs. / 40 kg	99 lbs. / 45 kg
Number of Sections	3	4	5	5	6	6





The AntennaMast model AM2 is a rugged, lightweight, man-portable, aluminum tripod mast designed for rapid payload deployment. The AM2 is extremely flexible and reliable and is capable of elevating multiple devices on a single mast.

Payload deployment options:

1. The EZ Raze™ system with cable winching device and safety brake enables the user to lift and lower heavier payloads in a safe and controlled manner without disassembling the mast system.
2. The mast tube lift winch provides a mechanical assist for the lifting of the mast tubes for heavier payloads.
3. The user is also able to elevate the mast tubes and payload by breach loading the tubes through the tripod center collar.

ESSENTIAL FEATURES

- **Rapid set-up** – Includes a tripod with two (2) built-in levels and large no-slip adjustment knobs that are easy to operate. Interlocking mast tubes allow for directional adjustment of the payload.
- **Flexible** – A variety of payload adaptors and accessories are available to accomplish diverse missions.
- **Simple** – No tools or special training are needed for deployment.
- **Rugged** – Designed to meet MIL-STD-810 for use in a variety of harsh environments.
- **Durable** – Components are constructed of aluminum and stainless steel and are covered by a two (2) year warranty.
- **Complete system** – AM2 system includes all components needed to safely deploy rated payload at selected height.
- **Transportable** – Every mast system comes with a rugged wheeled transport bag designed for easy unloading and loading.



AM2 with Mast Tube Lift Winch

See
www.antennamast.com
 for complete
 model range

A full range of
 interchangeable
 accessories and
 payload adaptors
 are available for
 the AntennaMast



EZ-RAZE



BOLSTER PLATE



DUAL, TRI & QUAD
 ARM COLLAR



NATO PLATE

Hurry-Up mast

The Hurry-Up mast is ideal for fast deployment of lightweight antennas and equipment. This mast is available in four extended heights from 7 ft. / 3.5 m to 30 ft. / 9 m in one minute or less and easily manages payloads up to 20 lb / 9 kg. The Hurry-Up mast features quick lock/release collars to extend the mast manually by pushing up the sections and fixing them into position. The Hurry-Up mast is well suited for field testing. Optional Drive-On plate allows the mast to be secured by simply driving a vehicle onto the plate.

ESSENTIAL FEATURES

- **Maintains Azimuth**
 - Locking collars and rigid design
- **Easy to Set Up**
 - Less than one minute
- **Corrosion Resistant**
 - Black anodized finish
- **Optional Features**
 - Drive-on plate mounting - No guylines required
 - Removable payload extension stub - Easy payload mounting
 - External support brackets - Permanent vehicle mounting





The Will-Burt company is the world's premier manufacturer of portable telescoping mast and tower elevation solutions – the world's one stop shop offering virtually every elevation solution from one source-for a variety of industries. Will-Burt expertise and capabilities have expanded beyond elevation solutions and Will-Burt now offers full integration solutions for a variety of payloads and transport methods.

WILL-BURT NOW OFFERS MOBILE VIDEO SOLUTIONS DESIGNED FOR A WIDE VARIETY OF APPLICATIONS AND INDUSTRIES.



Protection of property and personnel have become extremely important in these uncertain times. Advances in video and recording technology have made it possible to provide constant surveillance and security to ensure that all assets can be monitored from a single location. This same technology can be used to record events at incident scenes providing impartial witness and irrefutable testimony regarding the actions of personnel and bystanders.

Will-Burt has created video and recording packages specifically designed to meet your requirements and budget. Each solution is tested and proven to deliver the performance needed to achieve your critical objectives.

From basic fixed cameras to advanced high definition, IP enabled cameras with thermal imaging, Will-Burt offers a model that will fit your needs. Event recording is made possible by a DVR that can be equipped with cellular network transmission capabilities or WiFi.

All video options can be integrated with a Will-Burt elevation solution or light tower providing the most advanced surveillance and recording possible.

WILL-BURT'S SPECIALIZED ENGINEERS CAN DESIGN A CUSTOMIZED SOLUTION FOR YOUR UNIQUE REQUIREMENTS.



ANALOG CAMERAS – STATIONARY

Basic surveillance and scene monitoring – available in narrow or wide viewing angle



Feature	Specification
Lens	2.8 mm
Image Sensor	SONY CCD
Resolution	768 x 494 / 540 TV lines
Optical Zoom / Digital Zoom	Fixed
Viewing Angle	130°
Low Light	0 LUX with 10 IR LED's
Pan & Tilt	No
Ingress Protection	IP67

Basic scene monitoring from a vehicle



Feature	Specification
Lens	2.8mm
Image Sensor	SHARP high definition CCD
Resolution	720 x 480 / 480 TV lines
Optical Zoom / Digital Zoom	Fixed
Viewing Angle	130°
Low Light	0 LUX with 18 IR LED's
Pan & Tilt	No
Ingress Protection	IP69k – waterproof / 10 G shockproof

ANALOG CAMERA – PAN / TILT / ZOOM

Surveillance and scene monitoring – Wonwoo

WONWOO



Feature	Specification
Camera Manufacturer	Wonwoo
Lens	3.4mm – 122.4mm
Image Sensor	Exview HAD CCD
Resolution	1028 x 508 / 700 TV lines
Optical Zoom / Digital Zoom	36x / 32x
Low Light	0.5 LUX
Pan & Tilt	360° endless pan / -45° – 90° tilt
Ingress Protection	IPX5
Communications	RS-422, RS-485 / WTX, Pelco-D V1, Pelco-P, Pelco-D V5
Signal System	NTSC

Surveillance and scene monitoring with IR feature – Wonwoo

WONWOO



Feature	Specification
Camera Manufacturer	Wonwoo
Lens	3.4mm – 122.4mm
Image Sensor	Exview HAD CCD
Resolution	1028 x 508 / 700 TV lines
Optical Zoom / Digital Zoom	36x / 32x
Low Light	0.2 LUX with 46 IR LED's / 80m
Pan & Tilt	360° endless pan / -22.5° – 90° tilt
Ingress Protection	IP66 – outdoors
Communications	RS-422, RS-485 / WTX, Pelco-D V1, Pelco-P, Pelco-D V5
Signal System	NTSC



PTZ CAMERAS

Analog or IP Available

Feature	Specification	
Camera Manufacturer	Silent Sentinel - Oculus SD	Silent Sentinel - Oculus HD
Lens	3.4mm to 122.4mm	4.3mm to 129.0mm
Image Sensor	1/4-type Exview HAD CCD	1/2.8" type Exmor CMOS sensor
Resolution	550 TV lines SD	2.13MP
Optical Zoom / Digital Zoom	36x / 12x	30x / 12x
Low Light	Color 0.1 lux, Mono 0.01 lux	Color 0.01 lux, Mono 0.0008 lux
Pan & Tilt	360° pan / +90° to -30° tilt	
Ingress Protection	IP67 waterproof	
Communications	Pelco-D, Pelco-P, CBC OCP485, Forward Vision Mic1 FV300, Philips, Vicon	
Signal System	NTSC/PAL	HD: 1080p / SD: NTSC/PAL



INFRARED ILLUMINATOR - 100 METERS

Analog or IP Available

Feature	Specification	
Camera Manufacturer	Silent Sentinel - Oculus SD	Silent Sentinel - Oculus HD
Lens	3.4mm to 122.4mm	4.3mm to 129.0mm
Image Sensor	1/4-type Exview HAD CCD	1/2.8" type Exmor CMOS sensor
Resolution	550 TV lines	2.13MP
Optical Zoom / Digital Zoom	36x / 12x	30x / 12x
Low Light	Color 0.1 lux, Mono 0.01 lux	Color 0.01 lux, Mono 0.0008 lux
Pan & Tilt	360° pan / +90° to -30° tilt	
Ingress Protection	IP67 waterproof	
Communications	Pelco-D, Pelco-P, CBC OCP485, Forward Vision Mic1 FV300, Philips, Vicon	
Signal System	NTSC/PAL	



THERMAL IMAGER PLUS STANDARD / HIGH DEFINITION

Analog or IP Available

Feature	Specification	
Camera Manufacturer	Silent Sentinel - Oculus SD	Silent Sentinel - Oculus HD
Lens	3.4mm to 122.4mm	4.3mm to 129.0mm
Image Sensor	1/4-type Exview HAD CCD	1/2.8" type Exmor CMOS sensor
Resolution	550 TV lines	2.13MP
Optical Zoom / Digital Zoom	36x / 12x	30x / 12x
Low Light	Color 0.1 lux, Mono 0.01 lux	Color 0.01 lux, Mono 0.0008 lux
Pan & Tilt	360° pan / +90° to -30° tilt	
Ingress Protection	IP67 waterproof	
Communications	Pelco-D, Pelco-P, CBC OCP485, Forward Vision Mic1 FV300, Philips, Vicon	
Signal System	NTSC	HD: 1080p / SD: NTSC/PAL

Feature	Specification
Sensor type	Uncooled VOx Microbolometer
Pixel size	17μ
Spectral band	8-14μm
Thermal sensitivity	<50mK
Array format	320 x 240 or 640 x 480
Frames rates	9Hz, 30Hz
Image control	White hot, Black hot, Invert
Focus	Fixed, preset, Athermalised
Zoom	E-zoom 1-4, Region of interest
FOV	35mm (other FOV available)



VIPER CAMERAS – PAN / TILT / ZOOM

All viper cameras include “self-cleaning”, hydrophilic glass and image stabilization

Available in Analog or IP (Internet Protocol) Versions

Surveillance and scene monitoring – Viper Standard Definition



Feature	Specification
Camera Manufacturer	Viper
Lens	3.4mm – 122.4mm
Image Sensor	Interline transfer CCD
Resolution	768 x 494 / 520 TV lines
Optical / Digital Zoom	36x / 12x
Low Light	0.01 LUX in IR mode
Pan & Tilt	360° endless pan and tilt
Ingress Protection	IP67 – waterproof
Communications	RS-422 or RS-485 standard / Pelco-D, COHU
Signal System	NTSC

Surveillance and scene monitoring – Viper High Definition



Feature	Specification
Camera Manufacturer	Viper
Lens	4.7mm – 94.0mm
Image Sensor	2MP CMOS high definition
Resolution	1920 x 1080
Optical Zoom / Digital Zoom	20x / 10x
Low Light	Less than 3 LUX
Pan & Tilt	360° endless pan and tilt
Ingress Protection	IP67 – waterproof
Communications	RS-485 standard / Pelco-D, COHU
Signal System	WTI proprietary, industry standard or optional NTCIP

Surveillance and scene monitoring in low visibility – Viper Thermal Imager



Feature	Specification
Camera Manufacturer	Viper
Lens	19mm
Image Sensor	8-14 micron spectral un-cooled micro-bolometer
Resolution	320 x 240 / 225 TV lines
Optical / Digital Zoom	N/A
Viewing Angle	36°
Sensitivity	<85 mK NEdT
Wide Dynamic Range (WDR)	No
Pan & Tilt	360° endless pan and tilt
Ingress Protection	IP67 – waterproof
Communications	RS-422 or RS-485 standard, Pelco D, Pelco P, or COHU
Signal System	WTI proprietary, industry standard or optional NTCIP

CAMERA CONTROLLERS FOR PAN / TILT / ZOOM MODELS

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



Viper PTZ Multi-function Desktop Controller

Works with all Viper models

- Three axis proportional joystick for precise control of pan, tilt and zoom functions
- Bright OLED display
- Simple setup of presets and tour functions
- Supports Viper field firmware upgrades



The Pelco-D Compatible Controller with LCD screen

Flawlessly controls pan, tilt and zoom functions

- Includes LCD screen, keyboard and programmable presets that simplify operation
- Input Voltage 12V DC
- Communication Interface RS485
- Operating Temperature 32°F to 122°F / 0°C to 50°C
- Dimensions 6.6" x 5.4" x 4.2" / 168mm x 136mm x 105mm



VIDEO MONITORS

7" LCD Quad View Monitor

Features:

- 7" LCD TFT Display
- 4-channel video input / Quad screen display
- Brightness 350 cd/m2
- Resolution 336960 pixels



7" LCD Waterproof Monitor

Features:

- 7" LCD TFT Display
- 2-channel video input
- Resolution 800 x 480
- Contrast 500:1



VIDEO RECORDING

H4H Mobile DVR – Maximum Features and Security

The H4H is a high-end Hybrid H.264 MDVR that provides the perfect surveillance solution for vehicles or rugged environments. It is fully loaded with hardware and software characteristics to meet any market specification. The fully featured Mobile Witness Manager™ allows for live view, playback with Google Maps, and integration with Automatic Download, Health Monitor, and MobileLink™ software.



Features

- 4-camera Analog or IP Megapixel camera system
- 500 GB SATA HDD Storage
- H.264 Wi-Fi 802.11 B/G/N
- Embedded Linux OS for maximum stability
- Resolution: D1, HD1, CIF (Analog); up to 5 Megapixel (IP)
- H.264 video encoding
- Dual streaming video for low-bandwidth applications
- Support for USB AirCards (3G/4G)
- Built-in mirror recording function for fault tolerance
- Lockable, removable storage tray
- Built-in 3 axis inertial sensor
- Built-in GPS module (patent pending route rebuild)

- Built-in shock and vibration absorber
- PTZ control
- 100% web-based client software
- Integration with Microsoft Active Directory

Optional Features:

Optional Interfaces:

- Built-in Wi-Fi module (802.11 B/G/N)
- USB 3.0 Caddy for the fastest USB Automatic Downloads
- Tire pressure monitoring system
- OBDII/J1939 (CANBUS)
- Built-in GPRS/3G/Edge/CDMA optional interface
- RFID Tag Reader
- MiFare Access Control Smart Card Reader
- Motorola MOTOTRBO radio
- 64 GB SD Card – Industrial grade
- 1000 GB / 1 TB SATA HDD Storage
- 128 GB SATA SDD Storage
- Radar Gun
- Unique multi-channel audio recording matrix (Police Package)
- Video Classification (Police Package)

VIDEO RECORDING AND MOBILE NETWORK

DVR with Quad 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.



Features

- 7" Quad Screen DVR Color LCD Monitor
- Display resolution (H x V): 800 x 480 pixels (RGB)
- Up to 32GB SD Card Storage
- 4-channel video input: 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

Mobile Router – Dual Network Capability

Will-Burt's mobile router is a perfect fit for any mobile network. This router has been field tested in multiple environments and supports 150 concurrent users standard. It can be programmed to work with two internet connections (3G and Wi-Fi) to prevent any loss of the internet connection in the mobile environment. The router can also be programmed for load balancing between the connections to prevent slow connection speeds.



Features

- 3G Router (EVDO/GPRS/HSPDA)
- 3G/Wi-Fi Fail Over
- 150 Concurrent users
- Ruggedized case
- Compatible with USB AirCards
- File sharing bandwidth limiting
- DHCP server
- RADIUS Authentication
- Walled Garden
- Built-in 802.11 b/g/n Radio
- URL filtering (by IP and URL)
- SNMP access
- 3 Switch Port
- Multi-homing support

POSITIONERS / CONTROLLERS

POSITION^{IT}

PositionIt by Will-Burt is a maintenance-free pan and tilt positioner designed to provide years of trouble-free service. An IP68 rating delivers dust and water protection. The gear box is designed to minimize backlash and provides higher gear ratios for lower speeds along with mechanical braking. Long-life potentiometers are standard with PositionIt.

ESSENTIAL FEATURES

- **Replacement for MOOG QuickSet QPT Positioners**
 - Direct connection to existing QuickSet control/power cable
- **Pelco-D RS-485 Communications**
- **Strong lightweight construction**
 - Die-cast aluminum casing
- **Minimal backlash**
 - Precision turned and milled components with ball races on major axes
- **Built to last**
 - Stainless steel fasteners
- **Weatherproof**
 - IP 68 rating
- **Simple to install**
- **Universal mounting plate**
 - Suitable for most common payloads
- **Corrosion resistant finish**
 - Black
- **Regenerative braking**
 - On motor shaft
- **Long operational life**
 - 2 year warranty on Will-Burt PositionIt™ Positioners
 - 3 year mechanical and 2 year electrical warranty on Static Positioners
- **Flexible connection**
 - Bottom or side
- **We also offer a complete range of positioners for fixed applications and camera enclosures.**



POSITION^{IT} SPECIFICATIONS

Model	PI-150	PI-75	PI-35
Payload Capacity*	150 ft lb / 202 Nm	75 ft lb / 101 Nm	35 ft lb / 47 Nm
Height	11.32 in. / 287.7 mm	11.32 in. / 287.7 mm	9.7 in. / 246 mm
Width	12.4 in. / 314 mm	9.21 in. / 234 mm	10.8 in. / 273 mm
Depth	6.8 in. / 171 mm	6.8 in. / 171 mm	5.7 in. / 144 mm
Weight	37 lb / 16.8 kg	35 lb / 16 kg	19.5 lb / 8.9 kg
Operating Temperature	-20°C to 50°C / -4°F to 122°F		
IP Rating	IP68 - Waterproof (immersion) and Dustproof		
Pan Axis	400° (± 200°)		
Pan Speed (proportional)	0.02 to 6.5° / second		1° to 12° / second
Tilt Axis	180° (± 90°)		
Tilt Speed (proportional)	0.02 to 5.5° / second		1° to 12° / second
Backlash	≤ 0.15°		
Repeatability	≤ 0.3°		
Maximum Continuous Power	44 W		
Maximum Running Current	1.85 amps		
Input Voltage	24 VDC - Converters available for 12 VDC and AC power sources		

*Capacity measured at 12 inches or less from the tilt axis. Dimensions and weights are for reference only and are subject to change. Contact Will-Burt for current engineering specifications.

POSITION^{IT} CONTROLLERS

The handheld and 2U rack mount controllers are Pelco-D compatible with programmable home and stow positions. The AC powered rack mount controller provides power and pan and tilt commands to the positioner and is adaptable to contact closure switches for I/O panels. The handheld controller has a keyboard for programming and an LCD screen and can be optionally used in conjunction with the rack mount controller.



Will-Burt's video packages have been designed for integration into the wide variety of elevation and light tower solutions. Video solutions have been specifically designed for many industries such as Fire and First Responders, Broadcast, Security, Police, Military, Towing, Oil and Gas, Mining and Construction. Will-Burt can also design custom packages to meet your unique requirements.



Pneumatic Mast

Military surveillance application



Inflexion™

Roof-mount, fold-down mast



Inflexion™

Roof-mount, fold-down mast



KVL

Robust, crank mast



Night Scan® HDT

Heavy-duty towing light tower



Night Scan®

Command Center application



Night Scan®

Light tower with camera



Expedition™ Series

Man-portable composite tri-pod mast

CONTACT YOUR SALES REPRESENTATIVE TODAY

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 payload elevation and integration solution from the top brands; Will-Burt, GEROH, Integrated Tower Systems (ITS) and MAD – for defense, government, first responders, cellular, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. 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.



UNITED STATES WORLD HEADQUARTERS

401 Collins Blvd
Orrville, OH USA 44667
Telephone: 330.682.7015
Mast Customer Service: 330.684.4000
Fax: 330.684.1190
Email: info@willburt.com

WILL-BURT EU

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

EUROPE GEROH

A Will-Burt Company
Fischergasse 25
91344 Waischenfeld, Germany
Telephone: +49-9202-18-0
Fax: +49-9202-18-11
Email: info@geroh.com

ASIA SINGAPORE SALES OFFICE

1 Fullerton Road,
#02-01 One Fullerton,
Singapore 049213
Telephone: +65 6832 5689
Fax: +65 6722 0664

INTEGRATED TOWER SYSTEMS A WILL-BURT COMPANY

2703 Dawson Road, Tulsa, OK 74110
Telephone: 800.850.8535
Fax: 918.749.8537
Email: programs@itstowers.com

WILL-BURT TURKEY

2118. Cad. No: 4, B101
Mustafa Kemal Mah. 06530 Çankaya
Ankara, Turkey
Telephone: +1 202 820 2184

ISO 9001:2015

© June, 2019 The Will-Burt Company



Planet Communications Asia PLC.

157 Soi Ramindra 34, Ramindra Rd., Tarang, Bangkok, Bangkok 10230
Tel: +66 2 792 2400 | Fax: +66 2 792 2499, +66 2 943 5771 | E-mail: sales@planetcomm.com



PlanetComm: