



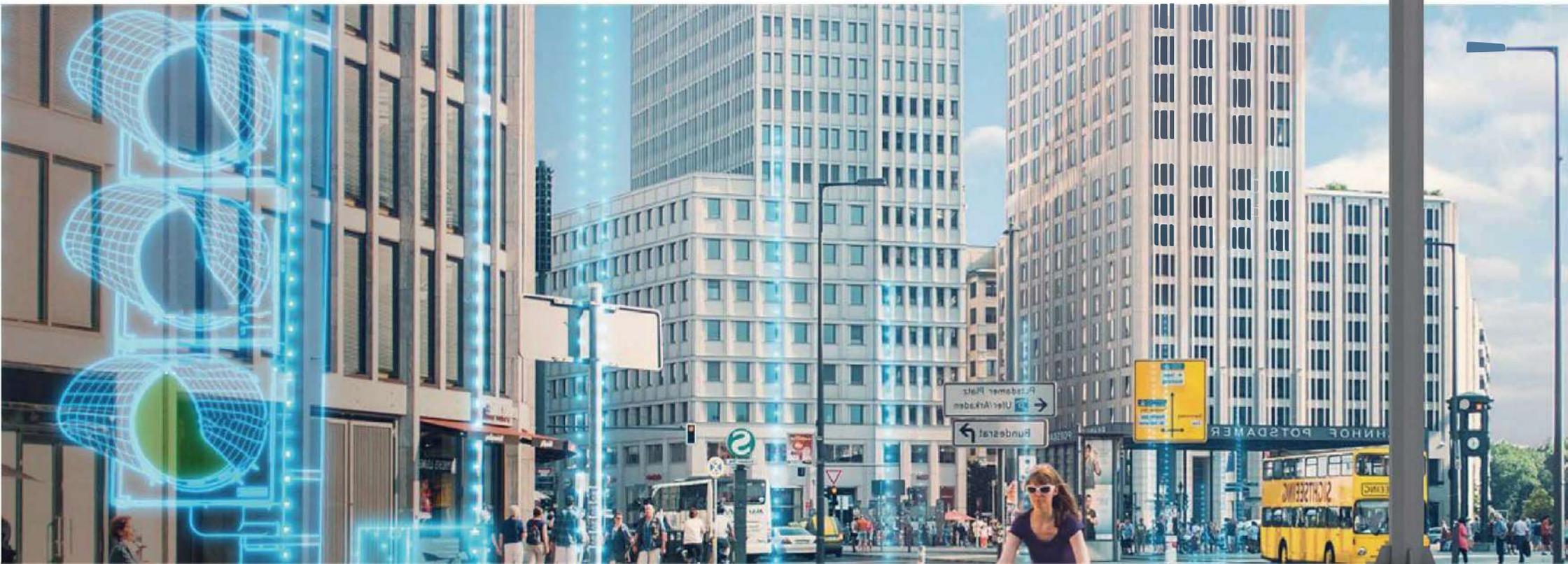
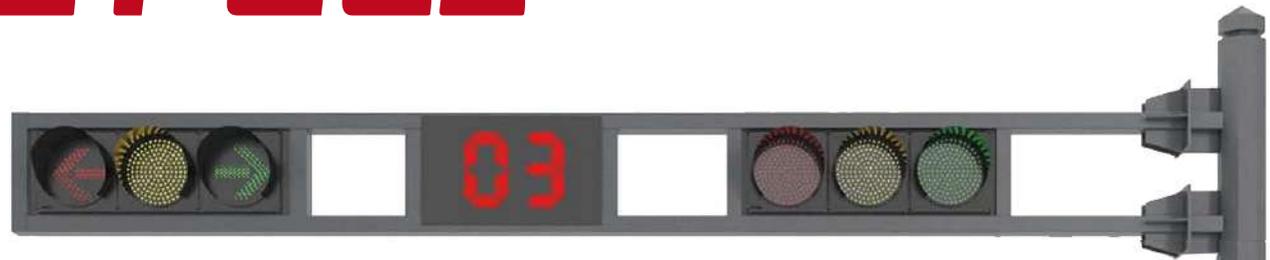
# Traffic Light Solutions Catalog



# 02 SIGNAL POLE



# ***SIGNAL POLE***



# EQUILATERAL OCTAGONAL CANTILEVER SIGNAL POLE

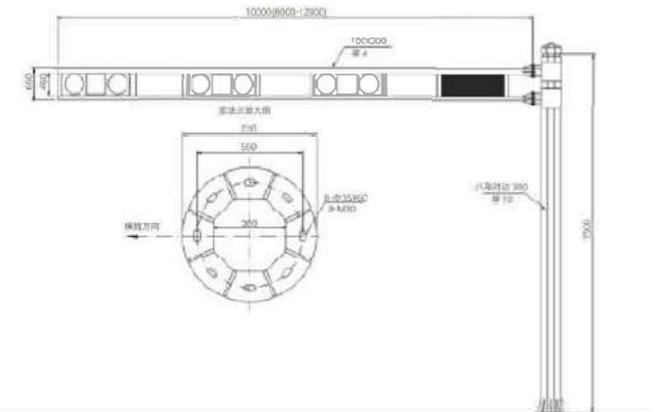
## Definition Of Signal Pole

Signal pole, as the name suggests, is the installation of traffic signal pole, which can be divided into: motor vehicle signal pole, non-motor vehicle signal pole, pedestrian crossing signal pole, direction indicating light pole, lane signal pole, flashing warning signal pole, road and railway level crossing signal pole.



## Product Feature

Body of rod	The vertical bar is an equilateral octagonal material structure, and the horizontal bar is a rectangular square tube, which is beautiful and generous in appearance. Rod body hot galvanized, 20 years no rust (surface or spray, color optional)
Height of the pole	7500mm
Arm length	8000mm to 1200 mm
King lever	Equilateral octagonal type, wall thickness 10mm ~ 12mm
Cross bar	Rectangular square tube, wall thickness 4mm ~ 5mm
Face diameter	φ300mm or φ400mm
Chroma	Red (620-625) Green (504-508) Yellow (590-595)
Working power supply	170V ~ 260V, 50Hz
Rated power	Single light < 20W
Light source life	> 50,000 hours
Ambient temperature	-40°C to +80°C
Class of protection	IP54



# DOUBLE CROSS ARM SINGLE PILLAR LIGHTS

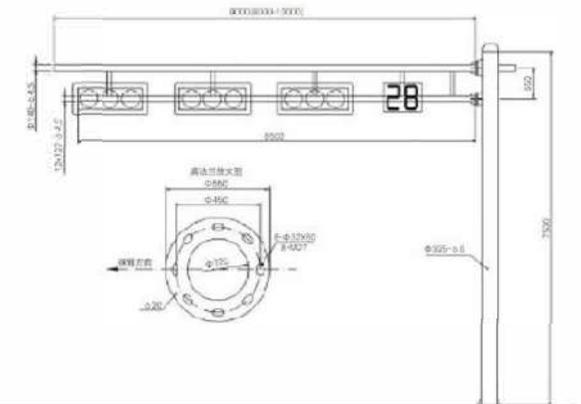
## Definition Of Signal Pole

Signal pole, as the name suggests, is the installation of traffic signal pole, which can be divided into: motor vehicle signal pole, non-motor vehicle signal pole, pedestrian crossing signal pole, direction indicating light pole, lane signal pole, flashing warning signal pole, road and railway level crossing signal pole.



## Product Feature

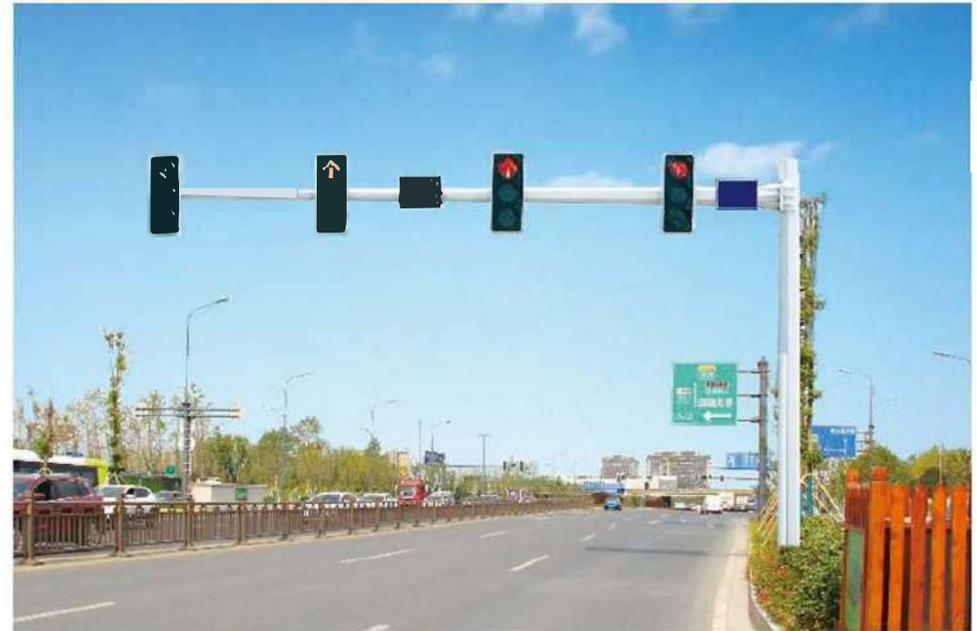
Body of rod	The vertical rod is a cylindrical material structure, and the cross rod is a combination of round tube and square tube, which is beautiful and generous in appearance. Rod body hot galvanized, 20 years no rust (surface or spray, color optional)
Height of the pole	7500mm
Arm length	8000mm to 1200 mm
King lever	Round tube, wall thickness 8mm ~ 10mm
Cross bar	Round tube, wall thickness 5mm ~ 6mm
Face diameter	φ300mm or φ400mm
Chroma	Red (620-625) Green (504-508) Yellow (590-595)
Working power supply	170V ~ 260V, 50Hz
Rated power	Single light < 20W
Light source life	> 50,000 hours
Ambient temperature	-40°C to +80°C
Class of protection	IP55



# DOUBLE CROSS ARM SINGLE PILLAR LIGHTS

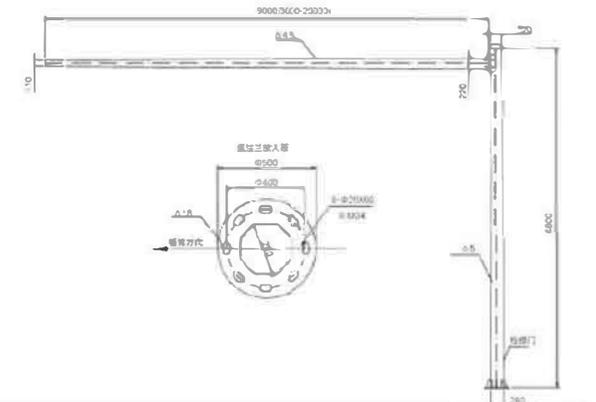
## Definition Of Signal Pole

Signal pole, as the name suggests, is the installation of traffic signal pole, which can be divided into: motor vehicle signal pole, non-motor vehicle signal pole, pedestrian crossing signal pole, direction indicating light pole, lane signal pole, flashing warning signal pole, road and railway level crossing signal pole.



## Product Feature

Body of rod	Light pole equilateral octagonal material structure, beautiful appearance. Rod body hot galvanized, 20 years no rust (surface or spray, color optional)
Height of the pole	6800mm
Arm length	3000mm to 20000mm
King lever	Rectangular octagonal type, wall thickness 5mm ~ 12mm
Cross bar	Octagonal type, wall thickness 4mm ~ 8mm
Face diameter	φ300mm or φ400mm
Chroma	Red (620-625) Green (504-508) Yellow (590-595)
Working power supply	170V ~ 260V, 50Hz
Rated power	Single light < 20W
Light source life	> 50,000 hours
Ambient temperature	-40°C to +80°C
Class of protection	IP55



# SIGNAL INTEGRATIONSTRIP FRAMEWORK

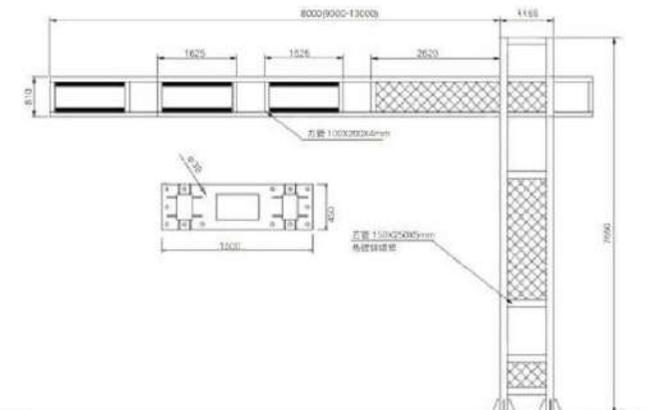
## Definition Of Signal Pole

Signal pole is also known as the traffic light pole, generally divided into type, T type, F type, specific specifications can be customized according to customer requirements processing, signal pole is commonly used specifications for high-quality steel plate processed by large bending machine into octagonal or hexagonal, or by rectangular square pipe assembly welding processing, the surface after hot dip galvanized anti-corrosion treatment, the outer surface spray treatment, Suitable for urban roads, express lanes, viaduct intersections or T-junctions.



## Product Feature

Body of rod	Light pole rectangular material structure, beautiful appearance. Rod body hot galvanized, 20 years no rust (surface or spray, color optional)
Height of the pole	7650mm
Arm length	8000mm to 13000mm
King lever	150×250mm square pipe, wall thickness 5mm ~ 10mm
Cross bar	100×200mm square pipe, wall thickness 4mm ~ 8mm
Face diameter	φ400mm or φ500mm
Chroma	Red (620-625) Green (504-508) Yellow (590-595)
Working power supply	187V ~ 253V, 50Hz
Rated power	Single light < 20W
Light source life	> 50,000 hours
Ambient temperature	-40°C to +80°C
Class of protection	IP54



## ANISE CANTILEVER SIGNAL BAR



### Product Feature

Body of rod	Rod body hot galvanized, 20 years no rust (surface or spray, color optional)
Height of the pole	6000mm to 6800mm
Arm length	3000mm to 1700 mm
Main rod octagon	The wall thickness is 5mm ~ 10mm
Cross bar octagon	Wall thickness 4mm ~ 8mm
Face diameter	φ300mm or φ400mm
Chroma	Red (620-625) Green (504-508) Yellow (590-595)
Working power supply	170V ~ 260V, 50Hz
Rated power	Single light < 20W
Light source life	> 50,000 hours
Ambient temperature	-40°C to +80°C
Class of protection	IP55

### Definition Of Signal Pole

Signal pole is also known as the traffic light pole, generally divided into type, T type, F type, specific specifications can be customized according to customer requirements processing, signal pole is commonly used specifications for high-quality steel plate processed by large bending machine into octagonal or hexagonal, or by rectangular square pipe assembly welding processing, the surface after hot dip galvanized anti-corrosion treatment, the outer surface spray treatment, Suitable for urban roads, express lanes, viaduct intersections or T-junctions.

## TAPERED CANTILEVER SIGNAL LIGHT POLE



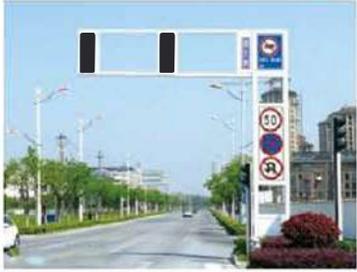
### Product Feature

Body of rod	Rod body hot galvanized, 20 years no rust (surface or spray, color optional)
Height of the pole	6000mm to 6800mm
Arm length	3000mm to 1700 mm
Main rod octagon	The wall thickness is 5mm ~ 10mm
Cross bar octagon	Wall thickness 4mm ~ 8mm
Face diameter	φ300mm or φ400mm
Chroma	Red (620-625) Green (504-508) Yellow (590-595)
Working power supply	170V ~ 260V, 50Hz
Rated power	Single light < 20W
Light source life	> 50,000 hours
Ambient temperature	-40°C to +80°C
Class of protection	IP55

### Definition Of Signal Pole

Signal pole is also known as the traffic light pole, generally divided into type, T type, F type, specific specifications can be customized according to customer requirements processing, signal pole is commonly used specifications for high-quality steel plate processed by large bending machine into octagonal or hexagonal, or by rectangular square pipe assembly welding processing, the surface after hot dip galvanized anti-corrosion treatment, the outer surface spray treatment, Suitable for urban roads, express lanes, viaduct intersections or T-junctions.

# SIGNAL LAMP POLE



# SIGNAL LAMP POLE

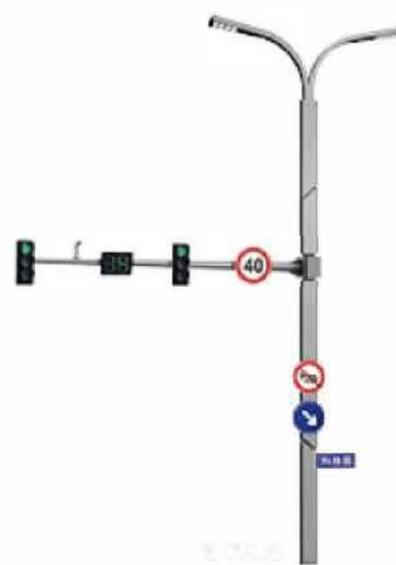
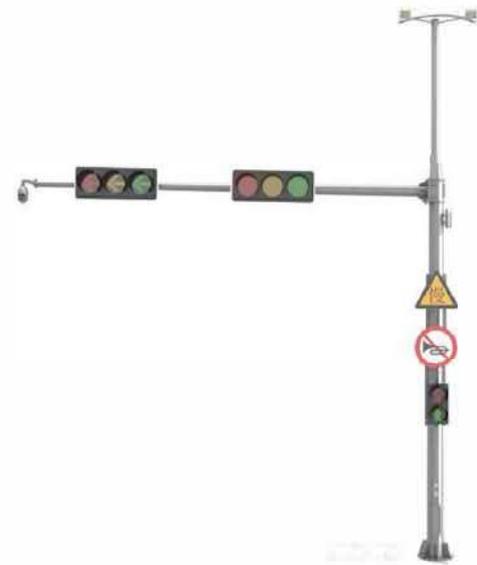
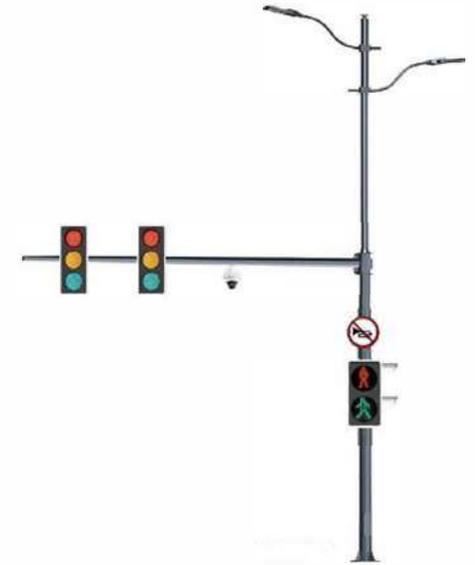
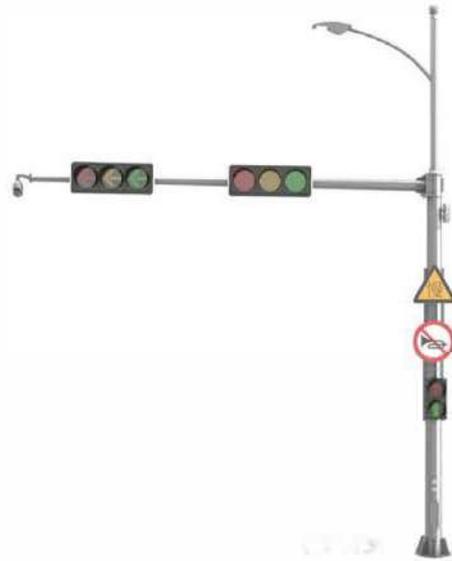
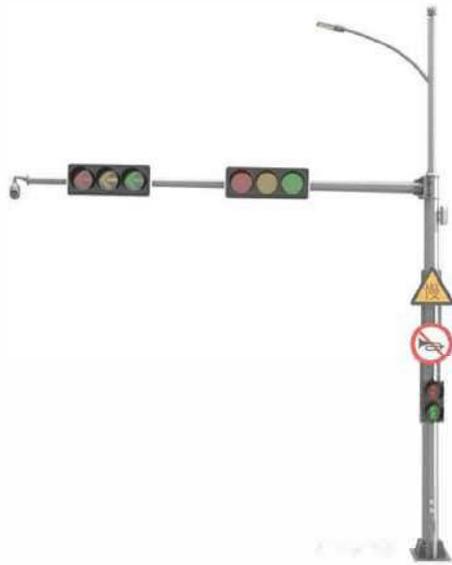


# SIGNAL LAMP POLE



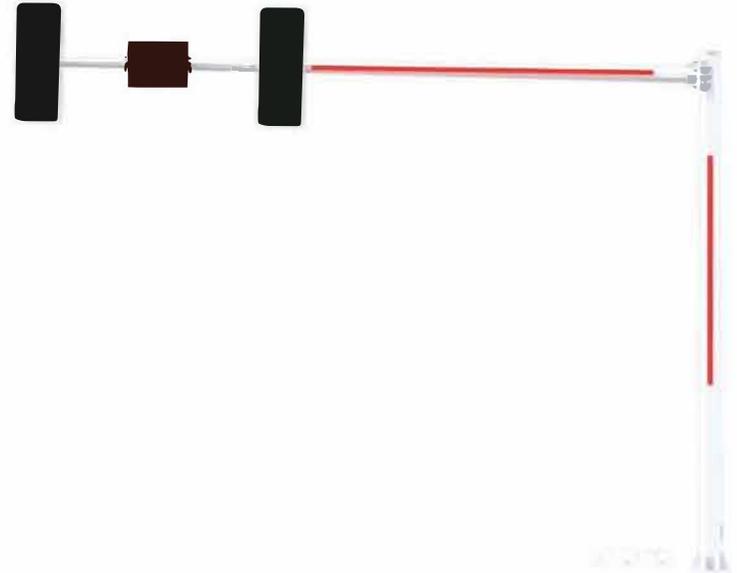


# SIGNAL LAMP POLE

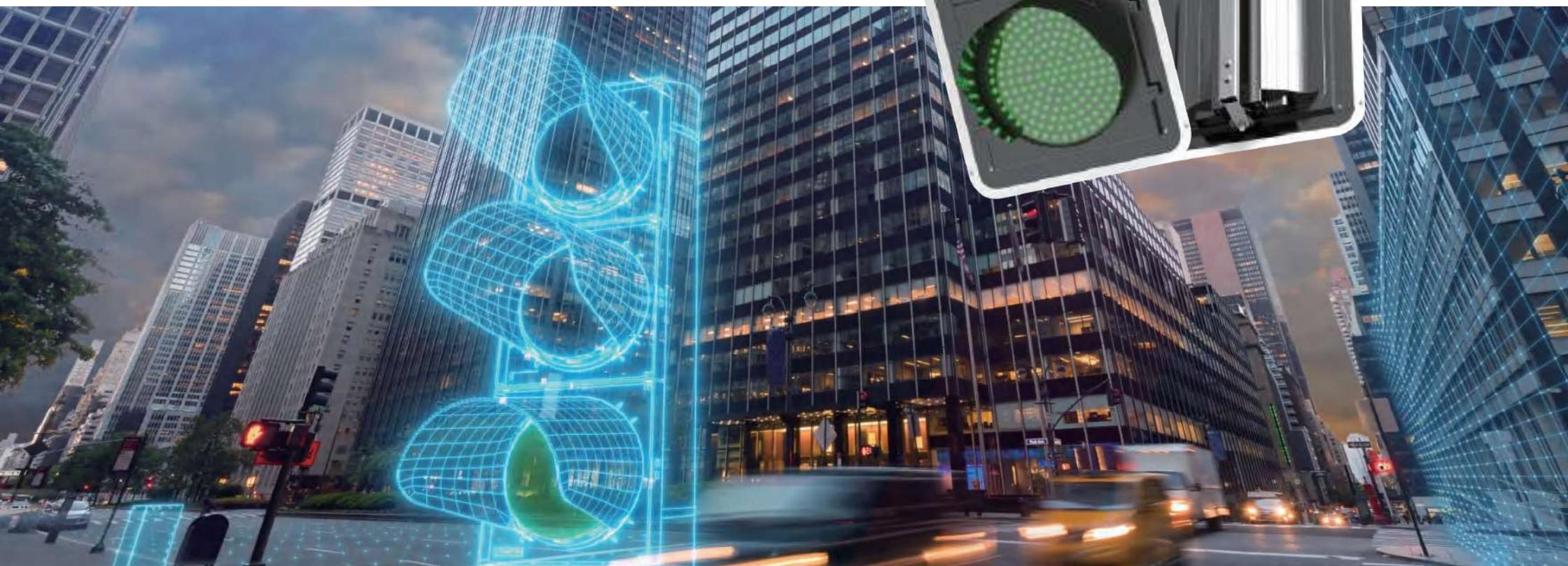




# SIGNAL LAMP POLE



# **SIGNAL LIGHT**



# 02 SIGNAL LIGHT ▶▶▶

## Φ300 RYG TRAFFIC SIGNAL LIGHT

series

Φ300mm



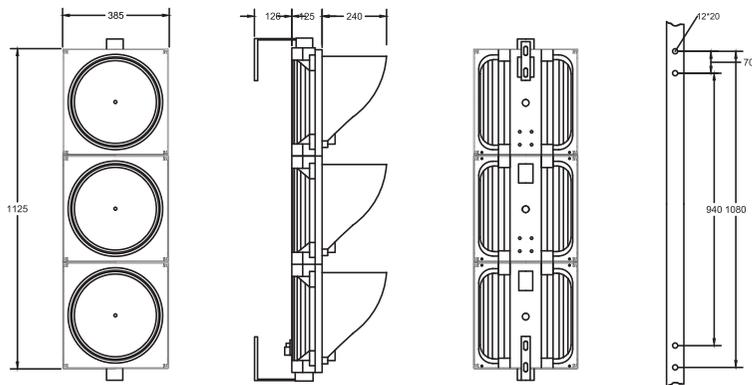
### Features

- Automatically dimming
- Long service life
- Consisting of many national patent
- High luminous output
- Novelty structure, appearance beauty
- Compatible with national standard GB14887-2011 and international standard
- Low power consumption
- Multi-layer sealed, water and dust proof
- Large visual angle
- Unique optical system and uniform illumination

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Alow				
	R ●	90	≥400	625±5	30	30	≤8	-40 ~ +80	100-240vac 12/24vdc	PC
	Y ●	90	≥400	590±5	30	30	≤8			
	G ●	90	≥400	505±2	30	30	≤8			

### Dimensions and Packaging



L:1125.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	1220*490*240	8.00	15-19.5	0.53	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	3	12	1	1



## Φ300 MOTOR VEHICLE SIGNAL LIGHT

series  
Φ300mm



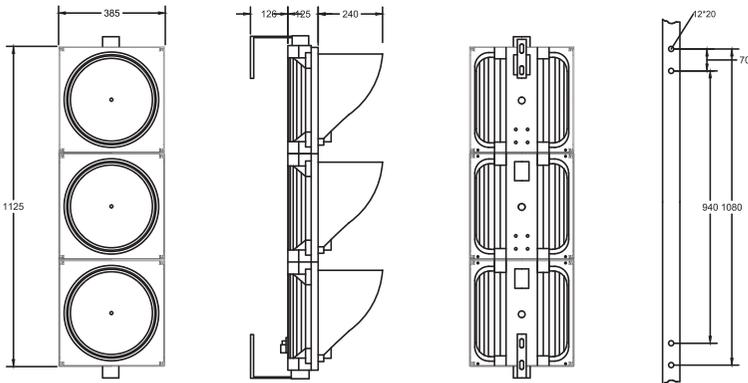
### Features

- Automatically dimming
- Long service life
- Consisting of many national patent
- High luminous output
- Novelty structure, appearance beauty
- Compatible with national standard GB14887-2011 and international standard
- Low power consumption
- Multi-layer sealed, water and dust proof
- Large visual angle
- Unique optical system and uniform illumination

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Alow				
	R→	75	≥4000/m <sup>2</sup>	622±2	30	30	≤7	-40 ~ +80	100-240vac 12/24vdc	PC
	Y→	75	≥4000/m <sup>2</sup>	592±2	30	30	≤7			
	G→	75	≥4000/m <sup>2</sup>	502±2	30	30	≤7			

### Dimensions and Packaging



L:1125.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	1220*490*240	10.50	15-19.5	0.08	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	3	12	1	1



## Φ300 MOTOR VEHICLE SIGNAL LIGHT

series

Φ300mm



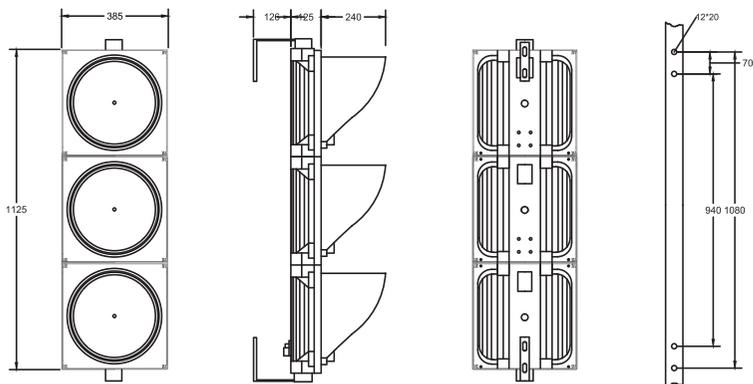
### Features

- Automatically dimming
- Long service life
- Consisting of many national patent
- High luminous output
- Novelty structure, appearance beauty
- Compatible with national standard GB14887-2011 and international standard
- Low power consumption
- Multi-layer sealed, water and dust proof
- Large visual angle
- Unique optical system and uniform illumination

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Alow				
	R→	75	≥4000/m <sup>2</sup>	622±2	30	30	≤7	-40 ~ +80	100-240vac 12/24vdc	PC
	Y→	75	≥4000/m <sup>2</sup>	592±2	30	30	≤7			
	G→	75	≥4000/m <sup>2</sup>	502±2	30	30	≤7			

### Dimensions and Packaging



L:1125.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	1220*490*240	10.50	15-19.5	0.08	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	3	12	1	1



## Φ300 NON-MOTOR VEHICLE SIGNAL LIGHT

eries

Φ300mm



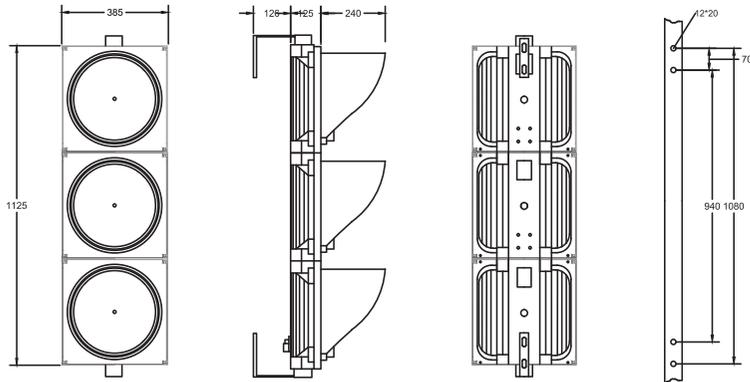
### Features

- Automatically dimming
- Long service life
- Consisting of many national patent
- High luminous output
- Novelty structure, appearance beauty
- Compatible with national standard GB14887-2011 and international standard
- Low power consumption
- Multi-layer sealed, water and dust proof
- Large visual angle
- Unique optical system and uniform illumination

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Alow				
	R	90	≥4000/m <sup>2</sup>	625±5	30	30	≤8	-40 ~ +80	100-240vac 12/24vdc	PC
	Y	90	≥4000/m <sup>2</sup>	590±5	30	30	≤8			
	G	90	≥4000/m <sup>2</sup>	505±2	30	30	≤8			

### Dimensions and Packaging



L:1125.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	1220*490*240	10.50	15-19.5	0.08	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	3	12	1	1



## Φ300 PEDESTRIAN SIGNAL LIGHT

series

Φ300mm



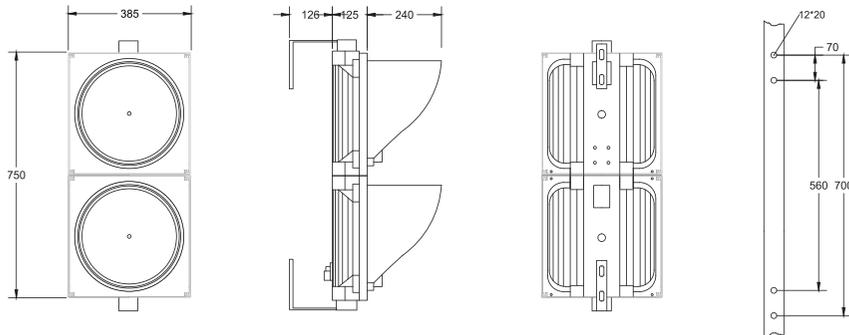
### Features

- Automatically dimming
- High luminous output
- Low power consumption
- Large visual angle
- Long service life
- Novelty structure, appearance beauty
- Multi-layer sealed, water and dust proof
- Unique optical system and uniform illumination
- Consisting of many national patent
- Compatible with national standard GB14887-2011 and international standard

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Alow				
	R	75	≥4000/m <sup>2</sup>	622±2	30	30	≤7	-40 ~ +80	100-240vac 12/24vdc	PC
	G	66	≥4000/m <sup>2</sup>	502±2	30	30	≤8			

### Dimensions and Packaging



L:750.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	860*490*240	7.00	10-13	0.06	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	2	8	1	1



## Φ300 DYNAMIC PEDESTRIAN LIGHTS

series

Φ300mm



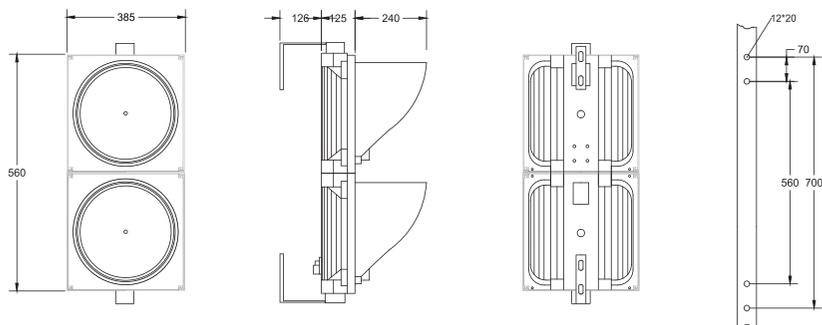
### Features

- Automatically dimming
- High luminous output
- Low power consumption
- Large visual angle
- Long service life
- Novelty structure, appearance beauty
- Multi-layer sealed, water and dust proof
- Unique optical system and uniform illumination
- Consisting of many national patent
- Compatible with national standard GB14887-2011 and international standard

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Allow				
	R	75	≥4000/m <sup>2</sup>	622±2	30	30	≤7	-40 ~ +80	100-240vac 12/24vdc	PC
	G	125	≥4000/m <sup>2</sup>	502±2	30	30	≤14			

### Dimensions and Packaging



L:750.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	860*490*240	7.00	10-13	0.06	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	2	8	1	1



## Φ300 DYNAMIC PEDESTRIAN SIGNAL LIGHT WITH COUNTDOWN

series

Φ300mm



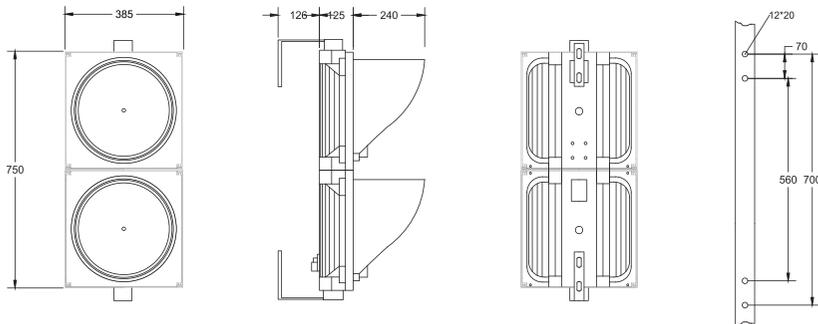
### Features

- Automatically dimming
- High luminous output
- Low power consumption
- Large visual angle
- Long service life
- Novelty structure, appearance beauty
- Multi-layer sealed, water and dust proof
- Unique optical system and uniform illumination
- Consisting of many national patent
- Compatible with national standard GB14887-2011 and international standard

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle( °)		Rated Power ( W )	Operating temperature	Operating voltage	Outside material
					Left	Alow				
R 8	8	168	≥4000/m <sup>2</sup>	622±2	30	30	≤10	-40 ~ +80	100-240vac 12/24vdc	PC
G 8	8	140	≥4000/m <sup>2</sup>	502±2	30	30	≤10			
R 8	8	66	≥4000/m <sup>2</sup>	622±2	30	30	≤7			
G 8	8	125	≥4000/m <sup>2</sup>	502±2	30	30	≤12			

### Dimensions and Packaging



L:750.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	860*490*240	7.00	10-13	0.06	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	2	8	1	1



## Φ300 RED CROSS AND GREEN ARROW SIGNAL LIGHT

series

Φ300mm



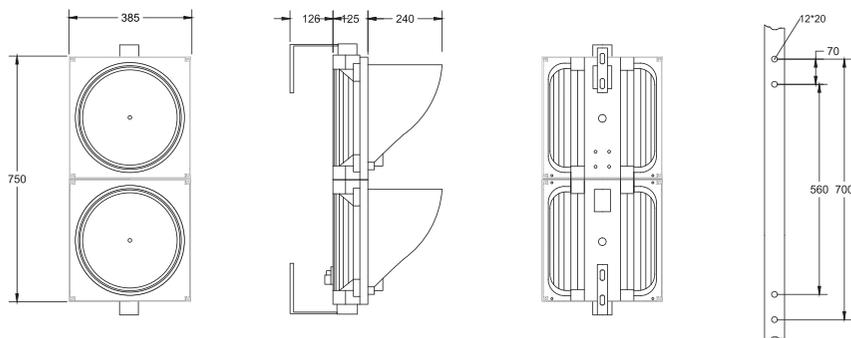
### Features

- Automatically dimming
- High luminous output
- Low power consumption
- Large visual angle
- Long service life
- Novelty structure, appearance beauty
- Multi-layer sealed, water and dust proof
- Unique optical system and uniform illumination
- Consisting of many national patent
- Compatible with national standard GB14887-2011 and international standard

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Allow				
	R X	93	≥4000/m <sup>2</sup>	625±5	30	30	≤8	-40 ~ +80	100-240vac 12/24vdc	PC
	G ↓	75	≥4000/m <sup>2</sup>	505±2	30	30	≤8			

### Dimensions and Packaging



L:750.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	860*490*240	7.00	10-13	0.06	Carton

### Packing List

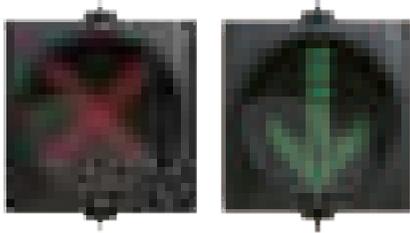
Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	2	8	1	1



## Φ300 RED CROSS AND GREEN ARROW IN ONE UNIT SIGNAL LIGHT

series

Φ300mm



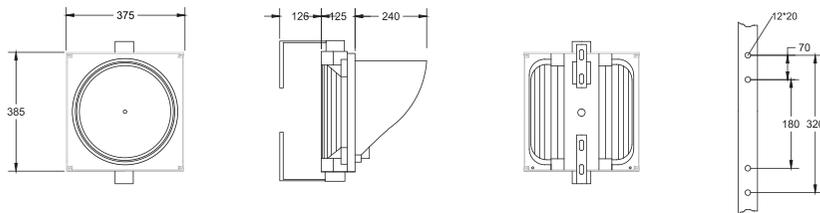
### Features

- Automatically dimming
- High luminous output
- Low power consumption
- Large visual angle
- Long service life
- Novelty structure, appearance beauty
- Multi-layer sealed, water and dust proof
- Unique optical system and uniform illumination
- Consisting of many national patent
- Compatible with national standard GB14887-2011 and international standard

### Specification

Model	Light color	Quantity of LED(pcs)	Light intensity(cd)	Wavelength (nm)	Visual angle(°)		Rated Power (W)	Operating temperature	Operating voltage	Outside material
					Left	Allow				
	R ×	93	≥4000/m <sup>2</sup>	625±5	30	30	≤8	-40 ~ +80	100-240vac 12/24vdc	PC
	G ↓	75	≥4000/m <sup>2</sup>	505±2	30	30	≤8			

### Dimensions and Packaging



L:375.0mm W:385.0mm H:125.0mm

### Packing Information

Model	Packing Size(mm)	Gross Weight(kg)	Volume (kg)/5000	Volume(m <sup>3</sup> )	Packaging Materials
	500*490*240	7.00	5-6.5	0.06	Carton

### Packing List

Lighting	L Bracket	Visor	m4x10 Bolt	Instructions	Certificate
1pcs	2	1	4	1	1



## TRI-COLOR TWO DIGIT COUNTDOWN TIMER

750\*600\*80mm



### Features

- Advanced optical system combined with high bright LEDs to meet maximum requirement of light intensity and visual angle
- Controlled by monolithic processor to completely synchronize with controller, and indicate red, yellow and green signal light correctly to guarantee traffic safety
- Minimum display time 1 second and maximum display time 99 seconds, 199 seconds and 999 seconds by A, B and C type respectively
- Made of Die-cast aluminum alloy with elegant appearance, rugged structure and excellent sealing performance

### Specification

Model	Luminous components	Quantity of LED(pcs)	Operating voltage	Rated Power ( W )	Light intensity	Luminous color	Character height	Digits of strings	Visual distance	Max display time	Material	Outer size ( mm )
	LED	R8 168	220V ( 110V ) 50 /60 HZ	< 40W	≥4000 cd/m <sup>2</sup>	R/Y/G	20inch	Two digits	≥200m	99 seconds	steel plate	750*600*80
		G8 140										

## TRI-COLOR TWO & HALF DIGIT COUNTDOWN TIMER

820\*600\*80mm



### Features

- Advanced optical system combined with high bright LEDs to meet maximum requirement of light intensity and visual angle
- Controlled by monolithic processor to completely synchronize with controller, and indicate red, yellow and green signal light correctly to guarantee traffic safety
- Minimum display time 1 second and maximum display time 99 seconds, 199 seconds and 999 seconds by A, B and C type respectively
- Made of Die-cast aluminum alloy with elegant appearance, rugged structure and excellent sealing performance

### Specification

Model	Luminous components	Quantity of LED(pcs)	Operating voltage	Rated Power ( W )	Light intensity	Luminous color	Character height	Digits of strings	Visual distance	Max display time	Material	Outer size ( mm )
	LED	R8 400	220V ( 110V ) 50 /60 HZ	< 40W	≥4000 cd/m <sup>2</sup>	R/Y/G	20inch	Two and half digits	≥200m	199 seconds	steel plate	820*600*80
		G8 400										
		Y8 400										

## TRI-COLOR THREE DIGIT COUNTDOWN TIMER

1100\*660\*80mm



### Features

- Advanced optical system combined with high bright LEDs to meet maximum requirement of light intensity and visual angle
- Controlled by monolithic processor to completely synchronize with controller, and indicate red, yellow and green signal light correctly to guarantee traffic safety
- Minimum display time 1 second and maximum display time 99 seconds, 199 seconds and 999 seconds by A, B and C type respectively
- Made of Die-cast aluminum alloy with elegant appearance, rugged structure and excellent sealing performance

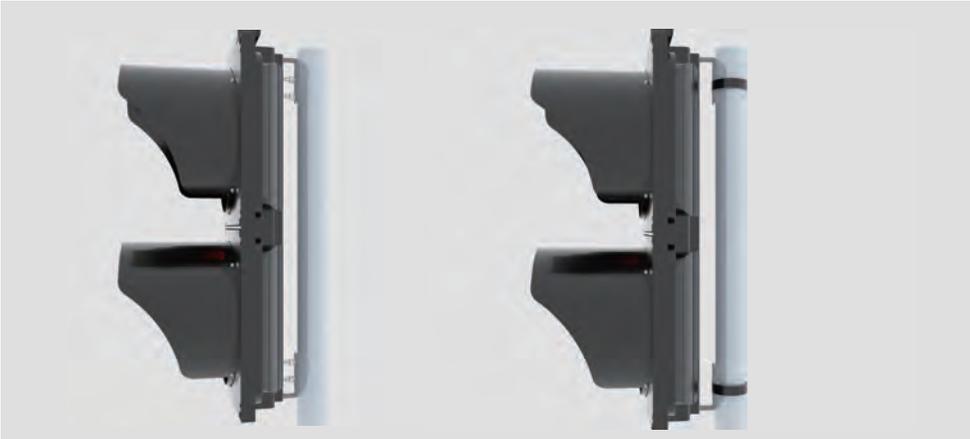
### Specification

Model	Luminous components	Quantity of LED(pcs)	Operating voltage	Rated Power ( W )	Light intensity	Luminous color	Character height	Digits of strings	Visual distance	Max display time	Material	Outer size ( mm )
	LED	R8 525	220V ( 110V ) 50 /60 HZ	< 40W	≥4000 cd/m <sup>2</sup>	R/Y/G	20inch	Three and half digits	≥ 200m	999 seconds	steel plate	1100*660*80
		G8 525										
		Y8 525										



# 03 INSTALLATION PROCEDURE ▶▶▶

L-bracket Mounting



Horizontal Installation: Hoop Installation



Vertical Installation: Type I Bracket



# TRAFFIC SIGNAL CONTROLLER

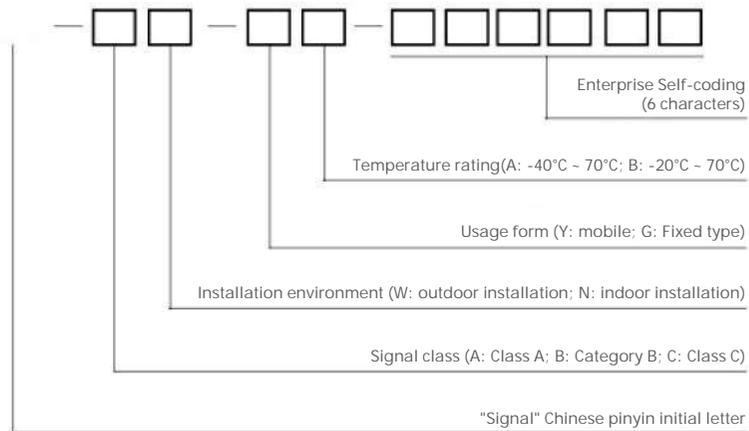


# NETWORK COORDINATION TRAFFIC SIGNAL CONTROL MACHINE

## Product Presentation

Network coordination signal control machine, is our company independent research and development, production of serialized products, using modular design technology and 32-bit microprocessor control, to achieve traffic signal control and communication functions, can achieve all-weather traffic signal control and communication, can complete the coordinated control between intersections, but also has the night automatic shutdown working mode. Based on the design concept of stable and reliable, advanced functions, intuitive operation and easy maintenance, the system has single point induction, single point optimization, cable-free green wave control, secret service control, pedestrian request control, multi-time multi-scheme operation, adaptive coordination control, automatic and manual control conversion, remote control, bus priority, power failure protection and other functions. No loss of time information and control parameters due to power failure.

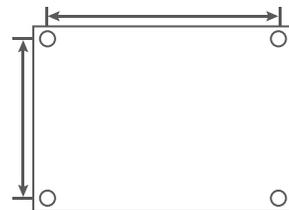
The signal control door adopts hydraulic solid state switch, built-in temperature control device, with beautiful appearance, simple and reasonable structure, reliable performance, small power loss, long service life and other characteristics, suitable for all kinds of cross, Tee and complex intersections, is a signal intelligent traffic control of high-tech products.



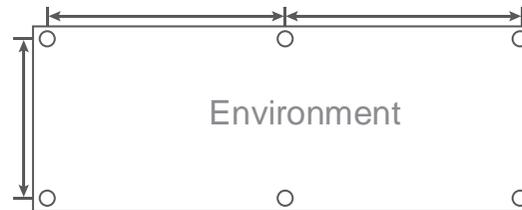
### Enterprise self-coding rules

- The first two digits are fixed as XT, which is the first letter of Pinyin
- The third is the generation of the signal :A the first generation, B the second generation, C the third generation, ... ..
- The fourth is the signal grade :A-24, B-48, C-64, D-72, E-96, S-extended, T-solar
- The fifth and sixth digits are special configurations: 0-standard, 1-9 indicates optional functions.

## Standard For Dimensions Of Mounting Holes In Signal Foundation



Signal bottom mounting hole Size 1  
(small size)



Signal bottom mounting hole Size 2  
(large size)

## CENTRALIZED COORDINATION TRAFFIC SIGNAL CONTROL MACHINE



### Functional Characteristics

- Periodic scheme control function
- Single point optimization control function
- Intersection single point adaptive optimization control function
- Cable-free coordination control (time compensation mode added)
- (Manual) Manually force intervention control functions
- Pedestrian crossing request function
- Bus/light rail priority control function
- Variable lane, tide lane control function
- Automatic fault degradation processing function
- Equipment abnormal working status monitoring and protection function
- (LCD display) Intersection equipment working status synchronous display function.
- Support learning type, pulse type and communication type and other countdown timer functions
- Support touch screen control function
- Remote communication and wireless remote control function
- Traffic flow parameter acquisition and processing function
- Onboard/central Secret service control functions
- GPS/ Beidou dual mode time correction positioning
- Special control function
- Heating and cooling control functions
- Device lightning protection function
- Overcurrent/leakage/power failure protection function
- Independent hardware yellow flash control

### Technical Performance Index

- Device on indicator: blinking or red
- (Signal light) Independent light drive output port : 48
- (Special detector) Input interface: 8x4 channel (expandable)
- Device clock accuracy :  $<\pm 5\text{ppm}$
- The device provides the system time and date
- Number of timing schemes : 128
- Maximum number of stages : 8
- Maximum phase number : 32
- Schedule Number of scheduled dispatches : 40
- Daily scheduling : 20
- Countdown output : 32
- External ports : 4 RJ45, 4 USB, 4 RS232, 13 RS485
- Support communication protocol : GB25280-2016  
EMC Electromagnetic compatibility: anti-surge impact, anti-period drop, anti-group pulse interference, anti-static interference ability
- Working mode: real-time adaptive, multi-time multi-scheme, semi-induction, full induction, fixed period, manual control, cable-free coordination, command center step control, yellow flash, traffic control, etc



## CENTRALIZED COORDINATION TRAFFIC SIGNAL CONTROL MACHINE



### Functional Characteristics

- Periodic scheme control function
- Adaptive control function
- No cable coordination control function
- (Manual) Manually force intervention control functions
- Automatic fault degradation processing function
- Equipment abnormal working status monitoring and protection function
- Support learning type, pulse type and communication type and other countdown timer functions
- Support touch screen control function
- Remote communication and wireless remote control function
- Traffic flow parameter acquisition and processing function
- Secret service control function
- GPS time correction positioning
- Device lightning protection function
- Overcurrent/leakage/power failure protection function
- Software yellow flash control

### Technical Performance Index

- Device on indicator: blinking or red
- (Signal light) Independent light drive output port : 48
- (Special detector) Input interface: 8x4 channel (expandable)
- Device clock accuracy :  $< \pm 20\text{ppm}$
- The device provides the system time and date
- Number of timing schemes : 32
- Maximum number of stages : 8
- Maximum phase number : 32
- Schedule Number of scheduled dispatches : 12
- Countdown output : 8
- External ports : 1 RJ45, 1 RS232
- Support communication protocol : GB25280-2016
- EMC Electromagnetic compatibility: anti-surge impact, anti-period drop, anti-group pulse interference, anti-static interference ability
- Working mode: multi-period fixed period, induction control, manual control, cable-free coordination, command center step control, yellow flash, traffic control, etc

## CENTRALIZED COORDINATION TRAFFIC SIGNAL CONTROL MACHINE



### Functional Characteristics

- Periodic scheme control function
- Intersection single point adaptive optimization control function
- Cable-free coordination control (time compensation mode added)
- (Manual) Manually force intervention control functions
- Pedestrian crossing request function
- Automatic fault degradation processing function
- Equipment abnormal working status monitoring and protection function
- Support learning type, pulse type and communication type and other countdown timer functions
- Remote communication and wireless remote control function
- Traffic flow parameter acquisition and processing function
- Onboard/central Secret service control functions
- GPS/ Beidou dual mode timing function
- Device lightning protection function
- Overcurrent/leakage/power failure protection function
- Software yellow flash control

### Technical Performance Index

- Device on indicator: blinking or red
- (Signal light) Independent light drive output interface: 24
- Device clock accuracy :  $<\pm 5\text{ppm}$
- The device provides the system time and date
- Number of timing schemes : 128
- Maximum number of stages : 8
- Maximum phase number : 32
- Schedule Number of scheduled dispatches : 40
- Daily schedule schedule : 20
- Countdown output : 8
- External ports : 2 RJ45, 3 RS232, 13 RS485
- Support communication protocol : GB25280-2016
- EMC Electromagnetic compatibility: anti-surge impact, anti-period drop, anti-group pulse interference, anti-static interference ability
- Working mode: real-time adaptive, multi-time multi-scheme, semi-induction, full induction, fixed period, manual control, cable-free coordination, command center step control, yellow flash, traffic control, etc

## CENTRALIZED COORDINATION TRAFFIC SIGNAL CONTROL MACHINE



### Functional Characteristics

- Periodic scheme control function
- Adaptive control function
- No cable coordination control function
- (Manual) Manually force intervention control functions
- Automatic fault degradation processing function
- Equipment abnormal working status monitoring and protection function
- Support learning type, pulse type and communication type and other countdown timer functions
- Remote communication and wireless remote control function
- Traffic flow parameter acquisition and processing function
- Central secret service control function
- Device lightning protection function
- Overcurrent/leakage/power failure protection function
- Software yellow flash control

### Technical Performance Index

- Device on indicator: blinking or red
- (Signal light) Independent light drive output interface: 24
- Device clock accuracy :  $<\pm 20$ ppm
- The device provides the system time and date
- Number of timing schemes : 32
- Maximum number of stages : 8
- Maximum phase number : 32
- Schedule Number of scheduled dispatches : 12
- Countdown output : 8
- External ports : 1 RJ45, 1 RS232
- EMC Electromagnetic compatibility: anti-surge impact, anti-period drop, anti-group pulse interference, anti-static interference ability
- Working mode: multi-period fixed period, induction control, fixed period, manual control, cable-free coordination, command center step control, yellow flash, traffic control, etc



## NETWORKED TRAFFIC SIGNAL CONTROL MACHINE



### Functional Characteristics

- Periodic scheme control function
- Intersection single point adaptive optimization control ability
- No cable coordination control function
- (Manual) Manually force intervention control functions
- Pedestrian crossing request function
- Automatic fault degradation processing function
- Equipment abnormal working status monitoring and protection function
- Support learning type, pulse type and communication type and other countdown timer functions
- Remote communication and wireless remote control function
- Traffic flow parameter acquisition and processing function
- Onboard/central Secret service control functions
- GPS/ Beidou dual mode time correction positioning
- Device lightning protection function
- Overcurrent/leakage/power failure protection function
- Software yellow flash control

### Technical Performance Index

- Device on indicator: blinking or red
- (Signal light) Independent light drive output port: 48
- Device clock accuracy:  $<\pm 5\text{ppm}$
- The device provides the system time and date
- Number of timing schemes: 32
- Maximum number of stages: 8
- Maximum phase number: 32
- Schedule Number of scheduled dispatches: 40
- Daily scheduling: 20
- Countdown output: 8
- External interface : 2 RS232, 1 RS485
- Support communication protocol GB25280-2016
- EMC Electromagnetic compatibility: anti-surge impact, anti-period drop, anti-group pulse interference, anti-static interference ability
- Working mode: timing adaptive, multi-time multi-scheme, semi-induction, full induction, fixed period, manual control, cable-free coordination, command center step control, yellow flash, traffic control, etc

## WIRELESS SOLAR TRAFFIC LIGHT CONTROL SYSTEM



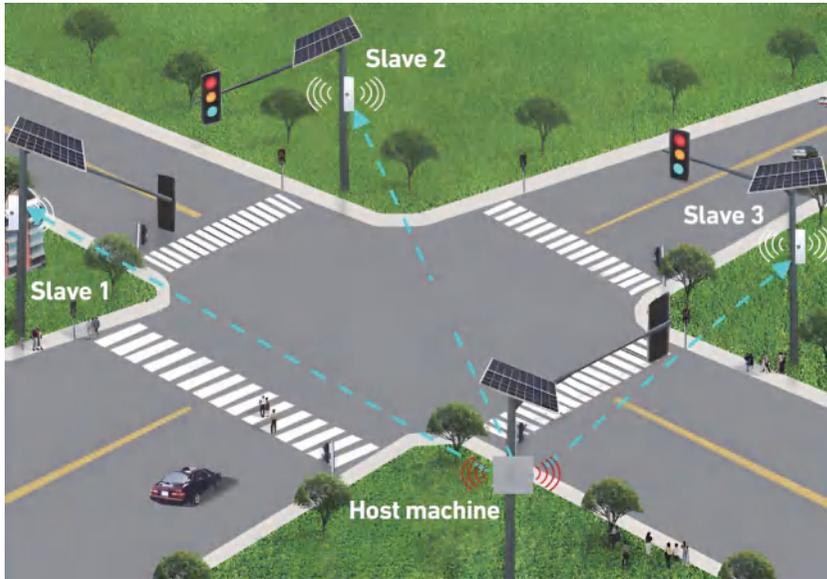
### Functional Characteristics

- Support GPS timing and positioning;
- Support WIFI connection, parameter configuration of signal machine through mobile APP or computer client, intuitive and visual parameter configuration software;
- The system supports up to 16 independent light groups with 52 outputs (single unit supports 5 independent light groups and 13 outputs), and each output light group can be independently configured;
- Signal panel LED indicator, which can display the status of each signal output and signal running status, wireless data transmission status, GPS signal status, etc. in real time.
- Equipped with RJ45 and RS232 hardware interfaces, supporting TCP/IP Ethernet communication protocol;
- Functional modular design, easy to configure and easy to maintain;
- Support 20 day programs, 24 time slots per day plan;
- Support 40 holiday special day configurations;
- Support independent configuration of green flash, yellow light, full red time;
- Support remote network control, timing, manual control, special control, phase time adjustment, etc. for the signal;
- Supports automatic security functions such as green conflict degradation control, low voltage protection degradation control, wireless communication signal loss and degradation control;
- Master-slave communication uses high-performance LoRa spread spectrum and high-efficiency cyclic interleaving error correction coding to improve anti-interference ability and sensitivity, and the transmission distance and penetration capability are more than doubled compared with traditional single-frequency communication.
- Support wireless car / hand held special control function;
- Support multiple control modes such as multi-period fixed cycle, coordinated green wave, induction control, single point optimization control.

### Technical Performance Index

- System operating voltage: DC12V~24V
- Single machine maximum drive capacity: 5A
- Operating temperature range: -40°C~+85°C
- Operating Temp :5% to 95%
- Effective transmission distance: >500 meters
- Insulation value:  $\geq 100M\Omega$
- Single-machine power consumption:  $\leq 2W$
- Power off parameter storage time: 10 years





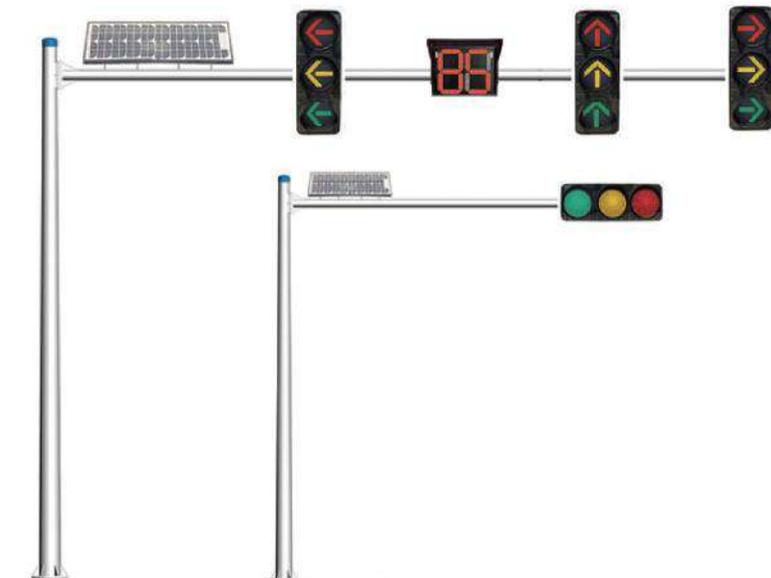
Status indication, parameter adjustment and data interface



Power input/output and data interface

- Signal panel LED indicator, display each signal output status and signal operating status, wireless data transmission status, GPS signal status and other information;
- Frequency band 1-4 DIP switch Select the wireless transmission frequency of the system (0 to 15 in a total of 16 optional frequency bands), the master and slave must be in the same frequency band; Dip switch of
- Secondary Unit Indicates whether to set it to the following cluster. Dip number 1-2 Indicates the number of primary and secondary devices in the current system. Dip switch 3 Select 12V or 24V for the current system power supply. Address DIP Code 4-5 Indicates the current device address.
- The reset button triggers the device to reset and restart. The red switch is the main power switch of the equipment;
- Network port is optional for the host, can choose wired network or wireless WIFI network; The data serial port is RS232 interface, which can access the secret service data and 4G remote control data;
- RF antenna wireless transmission antenna between master and slave; WIFI antenna for the host equipment wireless transmission antenna; The GPS antenna is the internal GPS module antenna of the host device; 18 terminal corresponding identifiers, power input, control output and other wiring.

## SOLAR LIGHT SERIES

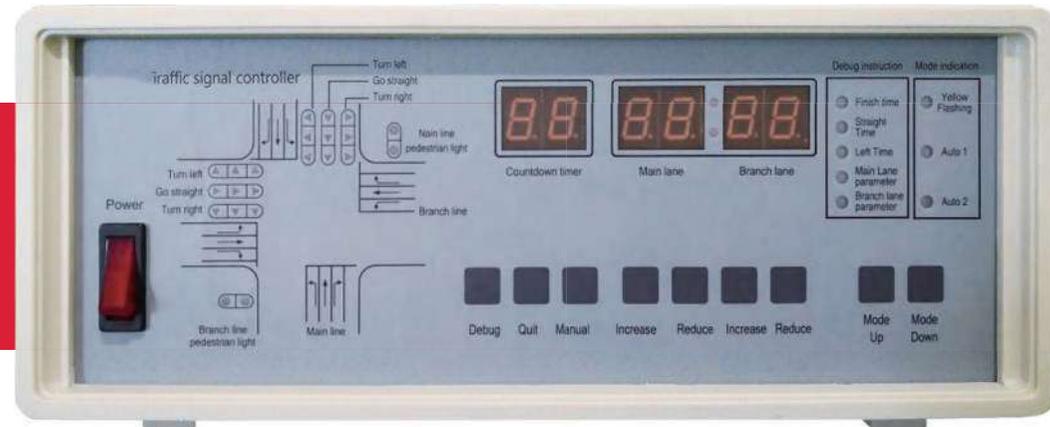


### Product Feature

The use of solar power generation, does not consume conventional energy, energy saving effect is obvious, environmental protection, maintenance-free, no need to lay cable, greatly reducing the construction workload and construction costs.

### Major Parameter


# SINGLE-POINT TRAFFIC SIGNAL CONTROLLER



## Brief Introduction

The traffic light controller combines the advantages of some common controllers in the market, adopts the modular design mode, adopts multilevel protection in the hardware, and ensures the system to work reliably and stably.

## System Characteristics

- The system can set up to 16 time periods, and add a special section for manual parameters.
- Contains 6 special right turn modes. Real-time clock chip is adopted to ensure real-time modification of system time and control.
- Right turn parameter main line and branch line can be set respectively.

## Technical Performance Index

- Operating temperature range: -40°C~+85°C
- Operating power consumption :3W



# PEDESTRIAN CROSSING REQUESTING-TRAFFIC SIGNAL CONTROLLER



## The system function:



## Product Introduction

The intersection controller, traffic lights, and application device form the entire intersection application-type traffic light control system. At the same time, the intersection controller can be connected to the background of the control center to provide real-time operational status parameter feedback and traffic light emergency intervention control.

## System operation mode

Through the combination of one or more application methods such as button trigger signal, geomagnetism detection signal and video detection signal, the controller collects valid application signals and adjusts the current running traffic light status to make pedestrians, vehicles, etc. at the intersection green status Pass the intersection safely. The system feeds back real-time traffic light status, fault information (damaged, same light, etc.) and other parameters.

The application-based networked signal controller is designed according to the GB25280-2016 protocol standard. The system uses a high-performance ARM Cortex 32-bit microprocessor as the core. It integrates a high-precision real-time clock chip to ensure the correct execution of the program. An optional GPS / Beidou module can be used to achieve positioning and Time adjustment function, using high-reliability isolated output and external light monitoring scheme, monitoring the entire signal light control system, while supporting in-vehicle secret service and remote platform access Interface port.



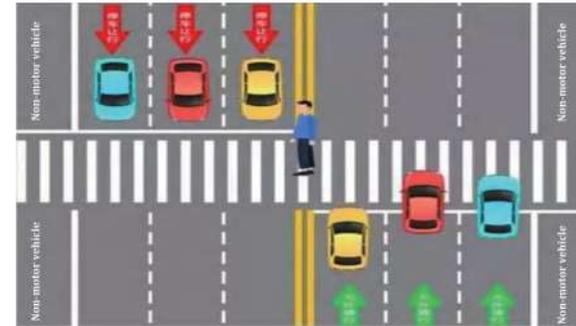
- The controller adopts a small volume design scheme, which is convenient to be integrated in the signal lamp / integration;
- The operation / fault monitoring and timing modification of the control system can be performed through wireless and wired network modes;
- The controller integrates an external light monitoring unit to monitor, process, and report faults such as the external light off and the same light on;
- It can set the effective time period of the application signal, and the non-enabled time period, the system runs according to the preset schem
- The effective time interval for applying signals can be set in multiple time periods (the minimum green light time of the main light can be adjusted appropriately during peak commuting hours);
- Integrated communication countdown output, while supporting pulse countdown output in normal mode;
- The controller can be connected to the background signal control platform through the wired network for remote control and monitoring.

### Electrical Parameters

- Operating Voltage: AC 85 ~ 264V
- Power frequency: 47 ~ 63HZ
- Operating temperature: -40°C— +70°C
- Clock error: -40°C — +70°C
- Data interface: 1RS232, 1RS485, 1RJ45
- Save parameters when power off: 10years
- With load capacity: Single 500W
- Stand-alone power consumption: < 2W

### Applicable Intersection Environment

The system is suitable for simple pedestrian crossings crossing intersections, sparse pedestrian lanes entering main intersections, etc.



Environment 1



Environment 2

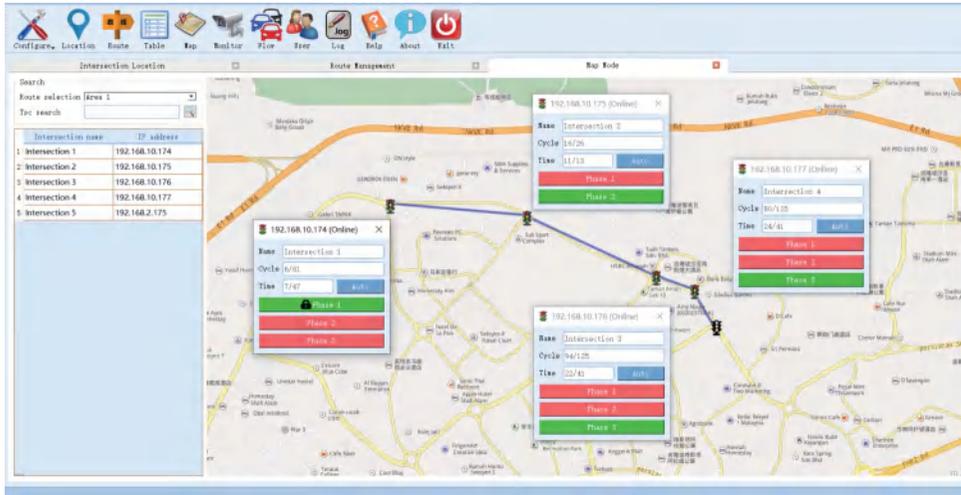


Environment 3 (Provincial highway and national highway equal to cross country road)

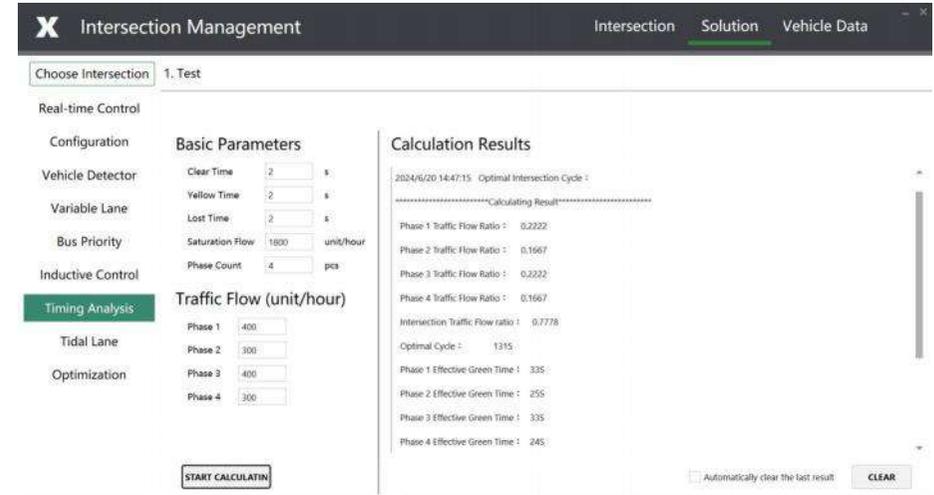
# TRAFFIC SIGNAL CONTROL PLATFORM

Through the linkage control of the signal control machine in the regional network, real-time monitoring of the traffic signal status at the intersection, providing remote signal scheduling control, unified management and maintenance of the signal operation fault day, real-time upload and download of the signal timing scheduling scheme, and provide optimized timing schemes.

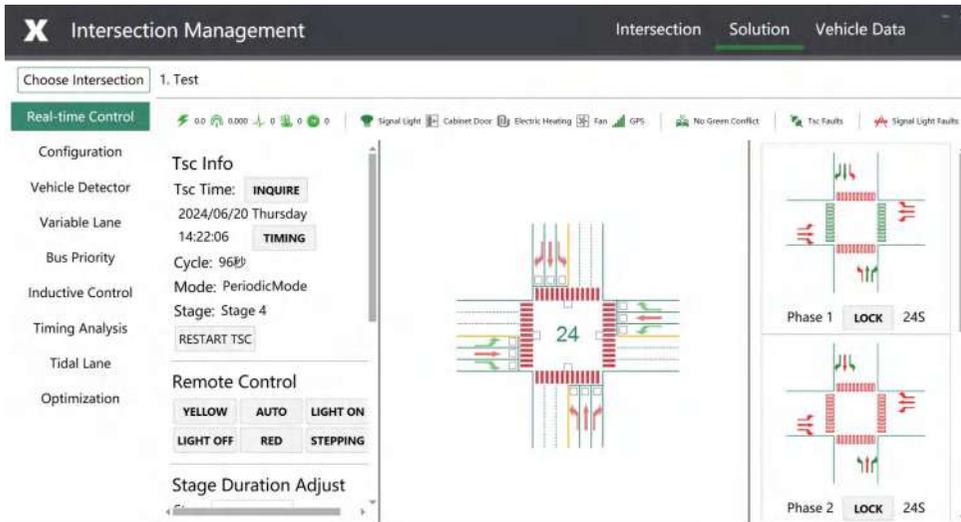
## Map Monitoring And Secret Service Signal Control



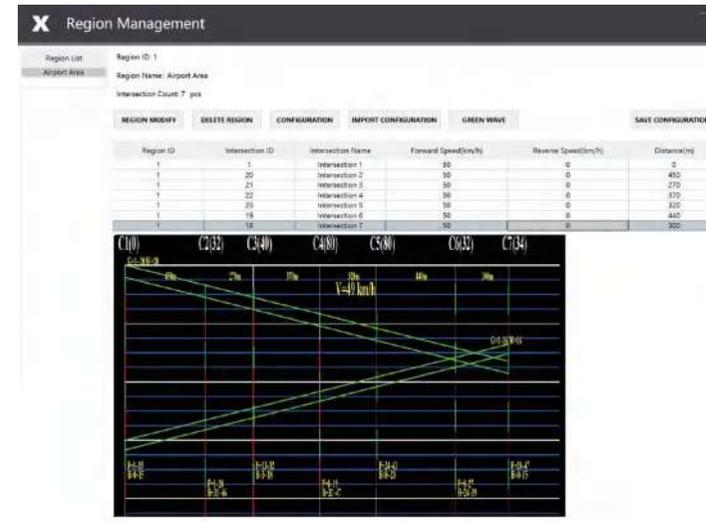
## Signal Optimal Timing Analysis



## Intersection Scheduling And Status Monitoring



## Area Management And Green Wave Optimization



# CITY INTELLIGENT TRAFFIC SOLUTIONS

Through the linkage control of the signal control machine in the regional network, real-time monitoring of the traffic signal status at the intersection, providing remote signal scheduling control, unified management and maintenance of the signal operation fault day, real-time upload and download of the signal timing scheduling scheme, and provide optimized timing schemes.

