

## SP300W Wide Area Detection Radar

### 1. Product Overview

SP-300W Wide Area Detection Radar is most efficient solution for wide area intrusion detection and protection. It comes with superb and accurate detection features by forming 90°, 180°, 270° and 360° arrays. As the new generation of three-dimensional perimeter security working at 24GHz waveband, integrates digital transmitters and receivers. It can efficiently detect the angle, distance, velocity of intruders. Besides, It can performance reliably under severe circumstances and has extended functions. Moreover, it can also realize the auto-adjustment and support remote alarm and remote control.



### 2. Product Features

- **Wide detection range**
- **Multiple targets tracking**
- **Rapid detection reaction**
- **High detection accuracy**
- **Easy to install**
- **Open to system integration**

### 3. Technical Specifications

<b>Model</b>	SP300W
<b>Radar architecture:</b>	
Radar type	MIMO Electronic Scanning FMCW Radar
Operating frequency	24.05~24.10GHz
Transmitted power	20dBm
Multiple radar networking:	RJ45
Detection modes	Doppler detection of moving targets, slowly crawling targets and fast-crossing targets
<b>Detection performance</b>	
Target type:	Man/vehicle/animals
Positioning accuracy:	<1m
Numbers of tracked targets simultaneously	32
<b>Detection coverage</b>	
Maximum detection range	≥300m( for man)
	≥450m( for vehicles)
Minimum detection range	1m
Horizontal electro-scanning sector	100°
Vertical lobe	13°
Refresh rate for electronically scanning	8Hz
Installation height	1~3m
<b>Radar characteristic:</b>	
Modulation mode	FMCW
Angle accuracy	±1°
Maximum detection speed	≤15km/h( with continuous path) ≤120Km/h (detectable)
<b>Work environment and the size:</b>	
Dimension(L*W*H)	235mm*175mm*59mm
Working temperature:	-40~+85°
level of protection	IP66
Weight	1500g
<b>Electrical characteristics:</b>	
power supply mode	POE、DC
power consumption	12VDC、1.2A