

# VuWeather

*Meteorological Systems*



## Overview

BFS all-in-one Series, Compact weather stations. In addition to monitoring temperature, humidity, wind direction, wind speed, air pressure, rainfall, radiation, ultraviolet, there are also image capturing functions. This range has various comms formats to meet most application scenarios.

## Applications

Smart City  
Smart Street Lighting System  
Tower Crane Ultrasonic Anemometer  
Agricultural Weather Station  
Transmission Lines Weather Station

## Advantages

Maintenance-free  
Easy to install without moving parts low power consumption  
Diversity of power supply options  
wireless communication options

## Model

	BFS200	BFS300	BFS400	BFS500	BFS600	BFS700	BFS800	BFS900
Wind Speed	■			■	■	■	■	■
Wind Direction	■			■	■	■	■	■
Air Pressure		■	■	■	■	■	■	■
Temperature		■	■	■	■	■	■	■
Humidity		■	■	■	■	■	■	■
Rainfall			■		■	■	■	■
Radiation						■	■	■
UVI							■	■
Photograph								■
Compass	BFS200C	BFS300C	BFS400C	BFS500C	BFS600C	BFS700C	BFS800C	BFS900C
GPS	BFS200G	BFS300G	BFS400G	BFS500G	BFS600G	BFS700G	BFS800G	BFS900G
Wireless	LTE -G Wifi -W Lora -L							

## Parameter

Measured Item	Measurement Range	Resolution	Accuracy	Remark
Wind Speed	0-60m/s	0.1m/s	±0.3m/s or ±3%	Ultrasonic
Wind Direction	0-360°	0.1°	3°	Ultrasonic
Air Pressure	300-1150hPa	0.1hPa	0.3hPa(25°C)	Silicone Piezoresistor
Temperature	-40-85°C	0.1°C	0.3°C	Platinum Resistance
Humidity	0-100%	0.1%	3%	Capacitance
Rainfall	0-10mm/Min	0.01mm	3%*	Piezoelectric
Radiation	0-2000W/m2	1W/m2	5%*	Silicone Light
UVI	0-15 UVI			Silicone Light
Compass	0-360°	0.1°	1°*	Electronic

## Note

custom configuration requirements by request.