

# Solar CCTV Tower

## UNI-T1



# SPECIFICATIONS

# Specifications

## Basic

Dimension (Transportation).....	1340 × 1048 × 1780 mm
Dimension (Operation).....	3834 × 2714 × 7408 mm
Weight.....	900kg / 1980lb
System Voltage.....	DC12V
Operating Temperature.....	-20°C~60°C / -4°F~140°F
Surface Treatment.....	Outdoor + Anti-Corrosion
Material.....	Q235 Steel
Warranty.....	2 years

## Solar System

Solar Panel.....	1 × 490W
Open Circuit Voltage.....	DC40.56V
Conversion Efficiency.....	24%
Tilt Adjustment.....	10~45°, manual

## Battery System

Battery Type.....	LiFePO4
Battery Capacity.....	2.94 kWh(230Ah)
Voltage.....	DC 12.8V
Cycle Life.....	4000 cycles at 90% DOD (25°C)
Bluetooth/Computer connection.....	Yes
Heater.....	Built-in
Cooling.....	Electric Fan

## Charging System

Charger Power.....	600W
Charging Current.....	30A
Efficiency.....	93%
Charging Socket.....	AC230V

## Intelligent Control System

Controller Type.....	MPPT
Conversion Efficiency.....	95%+
Remote.....	Optional
Over-voltage protection.....	Yes
over-current protection.....	Yes
short-circuit protection.....	Yes
Reverse connection protection.....	Yes

## CCTV Ready Configuration

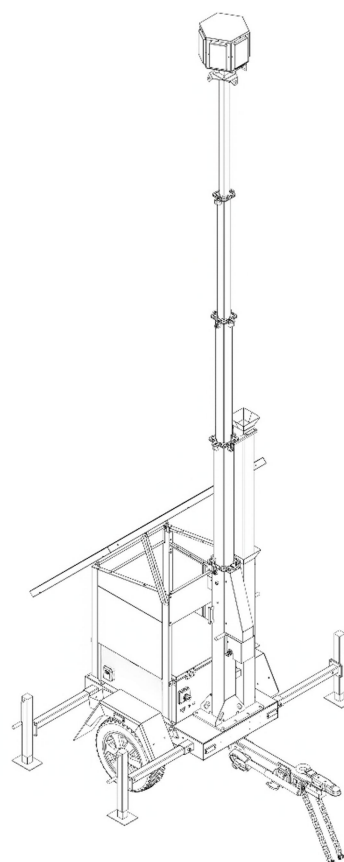
Camera Mounting.....	MPPT
DC Power Supply.....	95%+
Network.....	8 Port PoE Switch & 5 Port Switch
Strobe Lights.....	2 at Box & 2 at Trailer
AC Output.....	450W inverter (optional)

## Telescopic Mast

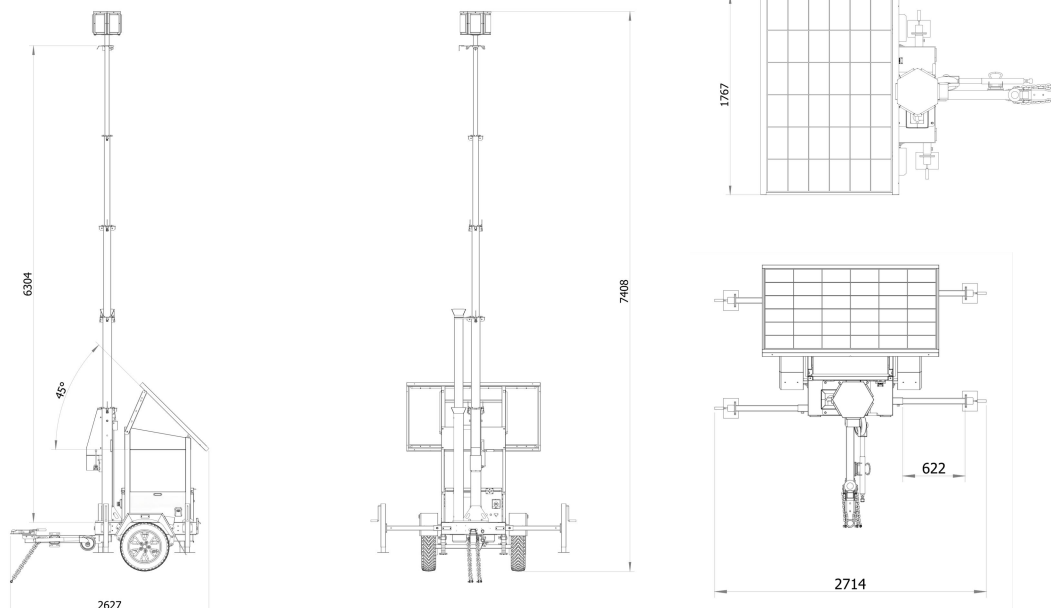
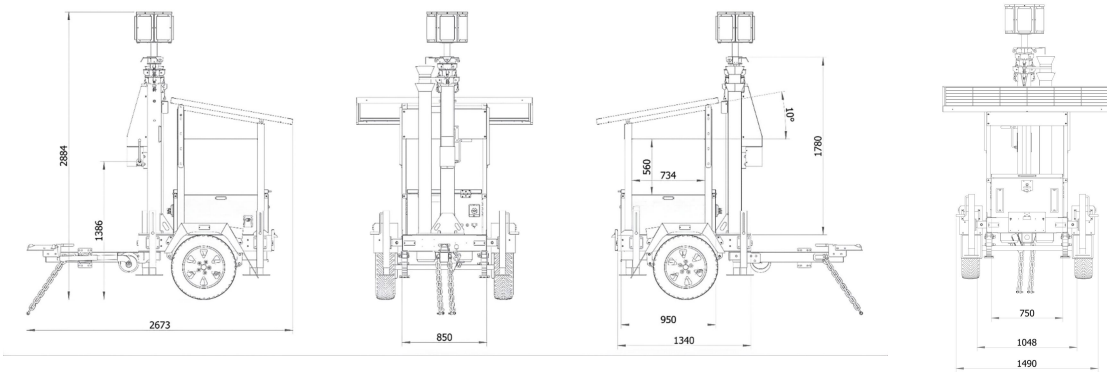
Height & Sections.....	8.4m (27.56ft) / 5 sections
Material & Treatment.....	Q235 steel, hot-dip galvanized
Lifting Mechanism.....	Manual winch
Wire Rope.....	Stainless Steel 304, 5mm
Spiral Cable.....	2×Cat5e + 14×Power Supply
Top Load.....	5kg ~ 50kg (11lb ~ 110lb)
Wind Resistance.....	117 km/h / 72.7 mph

## Trailer & Chassis

Trailer Standard.....	US / AU / EU
Trailer Light.....	US / AU / EU
Axle.....	Single, Suspension, Electric Brake
Tow Hitch.....	50mm / 2-inch ball type
Jockey Wheel.....	200mm / 8"
Outrigger.....	4 × Manual, Galvanized
Level.....	4 pcs
Wheel Chock.....	2 pcs
Forklift Pocket.....	Yes
Lifting Ring.....	4 pcs
Tire.....	14 inch



# Dimensions



# CCTV system (Optional)

## Core CCTV Functions & Configuration

Supported Brands	Hikvision and other mainstream brands
Recommended Model	Hikvision DS-2SE4C425MWG-E/26(F0) 4MP 25× IR PTZ Camera
View	360° panoramic coverage, 25× optical zoom + 16× digital zoom
Low-light Technology	DarkFighter & ColorVu, IR distance up to 100m, white light 30m
Intelligence	Human & vehicle classification, deep learning algorithm
Video Recorder	Hikvision NVR DS-7608NXI-K1 (optional)
Network	4G Router USR-G806s-G (optional)
Speaker	T-720AP 30W IP55 (optional)
Display	G0816 (optional)

