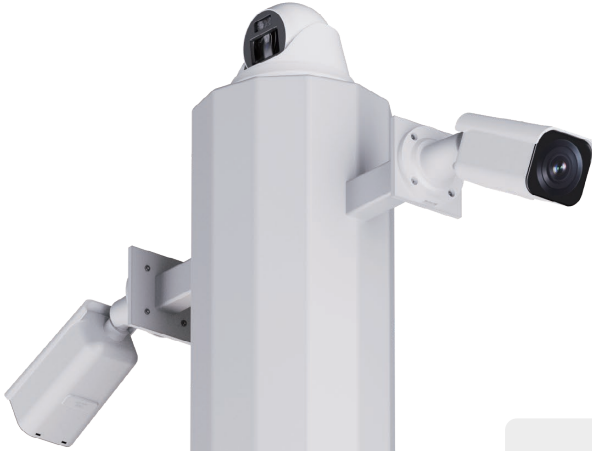


VERTICAL SOLAR CCTV SYSTEM



AURORAS
Excellence of Sustainable Energy



HD
Video



HDR



Remote
Monitoring



Vertical Solar
Panels



Large Capacity
Battery

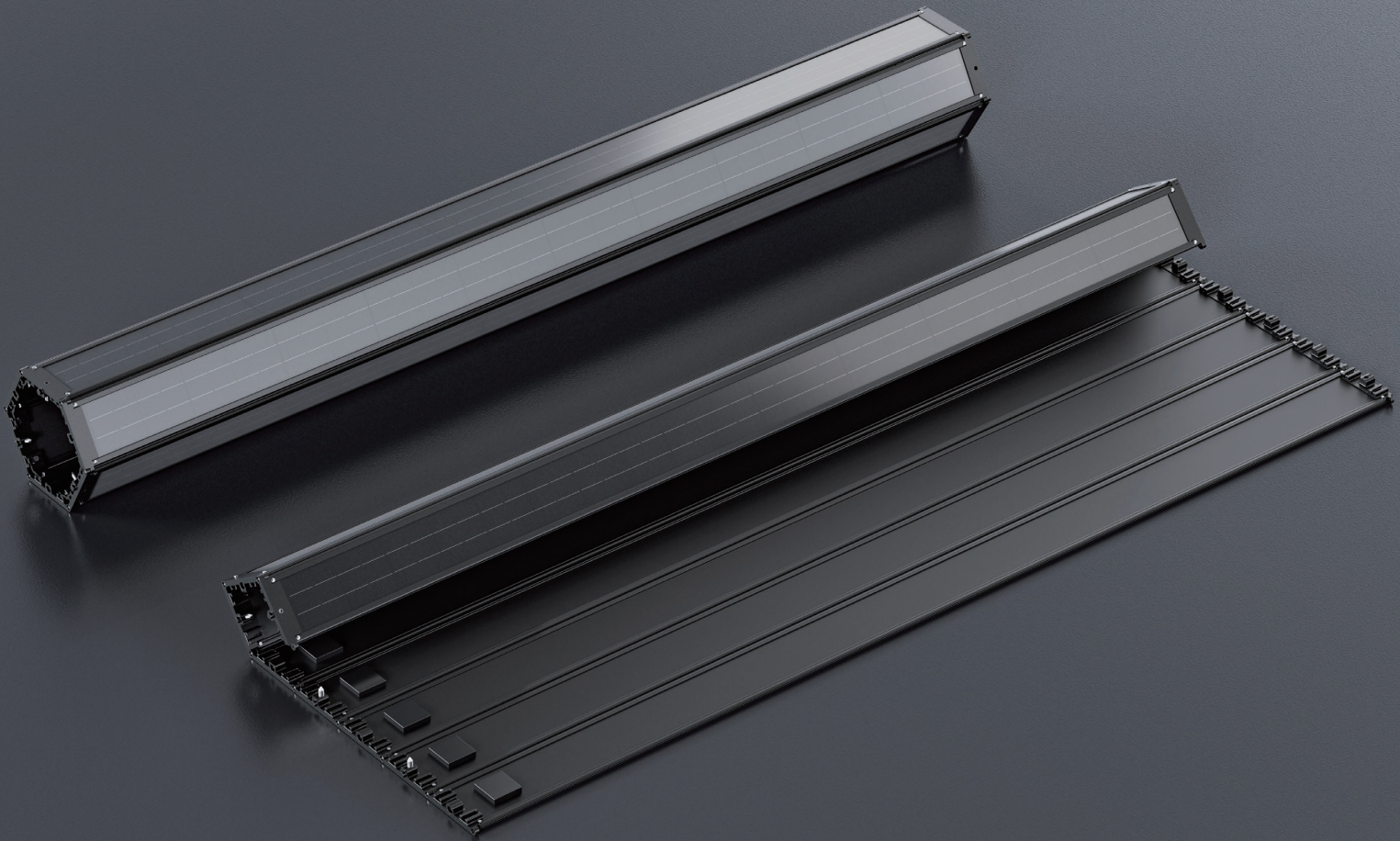


www.auroraslighting.com



Scalable & Foldable & Linkable

The GeoFlex Series is an innovative foldable polygonal solar panel system that supports customizable shapes and power outputs. Its modular and foldable design reduces packaging volume by over 50%, significantly lowering shipping costs. With 360-degree charging capability and a vertical cylindrical structure, it offers enhanced wind resistance, prevents snow accumulation, and blends seamlessly into urban environments. Ideal for solar streetlights, surveillance systems, and traffic signals, GeoFlex is a versatile, efficient, and sustainable energy solution for modern cities.



Fit to Different Size

SolarWrap vertical solar cylinder is able to cater to different sizes and different shapes of mounting poles.



Modular Installation

It adopts modular concepts and uses male and female sliding installation structures to make the installation easier.



360° Full Day Charging

Half area of round solar tube is facing to sun all the time to ensure continuous charging all day long, generating more power.



No Accumulation of Sand & Dust

Sand & dust will not accumulate on the vertically installed solar panel. No need to clean the solar panels frequently.



Strong Wind Resistance

With smaller wind resistance area and stronger installation bracket, it has very great wind resistant performance up to 160km/H.



Aesthetics Appearance

All the mounting poles adopted vertical PV cylinder blend into environments perfectly without disturbing the beauty of the view.

Lithium Battery Cylinder

Built into Poles | Outside of Poles



Enhanced Safety:

The design, integrated into the light pole, effectively protects the battery from external environmental impacts such as extreme weather, theft, and vandalism. This ensures the battery's safety and longevity.



Space Saving:

Utilizing the internal space of the light pole for battery installation avoids the issue of traditional external battery boxes occupying ground space, keeping the installation area clean and neat.



Efficient Heat Dissipation:

The environment inside the light pole typically offers excellent heat dissipation conditions, helping maintain the battery at an optimal working temperature, thereby extending battery life and enhancing system performance.



Simplified Installation and Maintenance:

The integrated battery design makes the system more unified, simplifying and speeding up the installation and maintenance processes, thus reducing labor and time costs.



Aesthetic Uniformity:

Integrating the battery inside the light pole results in a cleaner, more stylish appearance for the entire solar street light system, aligning with the aesthetic standards of modern cities and high-end communities.



High-Performance Energy Storage:

Utilizing high-quality lithium batteries provides higher energy density and longer lifespan, ensuring street lights can operate normally even on cloudy days and at night.



CAMERA PARAMETERS

SMART TRACKING CAMERA *1PC

Sensor	1/2" CMOS
Effective Pixels	1937 (H) × 1097 (V), approx. 2.12 MP
Max Resolution	1080p (1920 × 1080)
Lens	30x Zoom
Digital Zoom	12x
IR Illumination	Optional, up to 550m
Low-light	0.0047 lx (Color)
HDR	120 dB
Day/Night	Auto ICR Filter
Low-light Technology	Starlight
Signal-to-Noise Ratio	>55 dB
Backlight Compensation	On / Off / Intelligent Auto Exposure (IAE)
Protection	IP68, IK10
Operating Temp	-40°C to +65°C
Compression	H.265/H.264
Power Consumption	70W (with illuminator)
Defog Mode	Supported
Intelligent Tracking	Auto Mode & Click Tracking
Noise Reduction	Intelligent Dynamic Noise Reduction
Dimensions	288×400×210.5mm
Power	PoE++ or 24VAC
Storage	SD Card (2TB)



HD CAMERA *2PCS

Sensor	1/1.8" CMOS
Effective Pixels	3840 (H) × 2160 (V), approx. 8.3 MP
Max Resolution	4K UHD (3840 × 2160)
Lens	Motorized Zoom (4.4-10mm)
Low-light	Built-in, up to 60m
IR Illumination	0.037 lx (Color)
HDR	120 dB
Day/Night	Auto / Color / Monochrome (Configurable)
Low-light Technology	Starlight
Signal-to-Noise Ratio	>55 dB
Backlight Compensation	Backlight Scene Mode & ALC Control
Protection	IP66/67, IK10
Operating Temp	-50°C to +60°C
Compression	H.265/H.264
Power Consumption	12.95W
Noise Reduction	Intelligent Dynamic Noise Reduction
Dimensions	148×115mm
Power	PoE or 24VAC
Storage	SD Card (2TB)



SOLAR SYSTEM PARAMETERS

VERTICAL SOLAR MODULE *6PCS

Model number	DEDE-30036 *6PCS
Dimension	L1560*D430mm
Pmax	300W *6PCS
Vmp & Imp	36V 8.33A
Cell type	Monocrystalline silicon
Solar cell efficiency	22.50%
Structure material	aluminum alloy with powder coated
Lifetime	>20 years
Max pole diameter	330mm
Warranty	5 years

LIFEPO4 BATTERY

Battery type	LifePO4 6000mA 3.2V 32700
Battery capacity	25.6V 180Ah
Battery lifetime	4000 cycles @ D.O.D 50%
Battery Box Material	Aluminium Die Casting
Charge mode	C.C + C.V
Dimension	*to be determined as per pole drawing
Working Temp.	-15°C~+60°C
Warranty	5 years

LIGHT POLE

Pole height	15 meters
Material	Steel / Aluminum optional
Pole Color	Grey / Black / Customized



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