

Smart Lighting System

Could Service



Sunlight Utilization

| Scheduling |

| Single Lamp 100% Dimming Adjustment |

| Human Sensing |

| Multiple System Integration |

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System Functions

Item		Function	Description
Basic	Smart Lighting	Wireless Control	Wireless remote lighting control by mobile tablet.
		Depth Dimming of Single Lighting	Each lamp is equipped with a wireless light control module that can perform 0-100% fine and progressive dimming.
		Scenario Mode	Lighting scenario mode can be switched with one-touch and customized setting by user's preference.
		Scheduling	Set different illumination and different schedule for different areas.
		Cloud Platform	Access privilege management to provide area lighting control, lighting information, and statistic report on the cloud.
Advanced (with IWA sensors)	Occupancy Sensing Module	Human Detection	Enable to perform illumination adjustment logic according to human occupancy status if IR sensors or an image recognition cameras are adopted.
	Sunlight Utilization Module	Sunlight Utilization Algorithm	Keep the best environment illumination to making comfortable and power-saving by 2-dimension lighting calculation and stepless dimming function.
Cross System Linkage	Smart Curtain	Automatic Curtain Control	Through the outdoor temperature and natural illumination, we integrate smart lighting with HVAC optimization to automatically control the curtain switch.
	Outdoor Lighting Control	Outdoor Illumination and Lighting Control Linkage	Control the outdoor landscape lighting through outdoor illumination information.

Product Specifications



Digital Logic Controller - Lighting

Dimension (L×W×H)	180×77×30 mm
Power requirement	DC 5V
Memory	512MB
Core processor	Arm Cortex A8 1GHz

Communication port	USB 2.0(Host)
Network communication	RJ-45 x 2, 10 / 100 / 1000 Mbps Ethernet 802.11b / g / n WLAN Bluetooth 4.0



Wireless Lux Sensor

Dimension (L×W×H)	60×60×10 mm	Coverage	Point source
Power requirement	DC 5V / 12V	Network communication	IEEE 802.15.4 Mesh network
Operation temp.	0-40°C		



Wireless AI/AO Converter

Dimension (L×W×H)	130×100×35 mm	Specification	4AO+2AI
Power requirement	AC 100 - 240V DC 12V / 24V		AO: 10V PWM / 0-10V / 0-20mA AI: 0-10V / 0-20mA
Network communication	IEEE 802.15.4		



Wireless Gateway

Dimension (L×W×H)	85×85×25 mm
Power requirement	DC 24V / PoE
Network communication	IEEE 802.15.4 WiFi Ethernet



In order to connect Image Recognition System, the camera requires :

1. Camera pixel : 720×480 pixels or more
2. RTSP streaming protocol