Power systems for camera sites

MOBILE

XDV-G300
XDV-G500

FIXED INFRASTRUCTURE

LBS / WBS / ECS

More visuals. Less text. Clear system selection.



Five solutions for different deployment types

XDV-G300

Mobile

up to 3.1 m

RAPID DEPLOYMENT

XDV-G500

High-performance mobile

up to 5.0 m

RAPID DEPLOYMENT

LBS

Public lighting

local BMS

PERMANENT INSTALLATION

WBS

Solar + connectivity

remote monitoring

PERMANENT INSTALLATION

ECS

Solar power

40–120 W / LiFePO4

OFF-GRID

XDV-G300: compact mobile platform

XDV-G300

Two 24 V, 100 Wh batteries Hot-swap battery replacement

1.3–3.1 m
HEIGHT

5 kg
PAYLOAD

40 W
MAX. POWER

9 kg
WEIGHT*

ULTRA-LONG WORKING HOURS

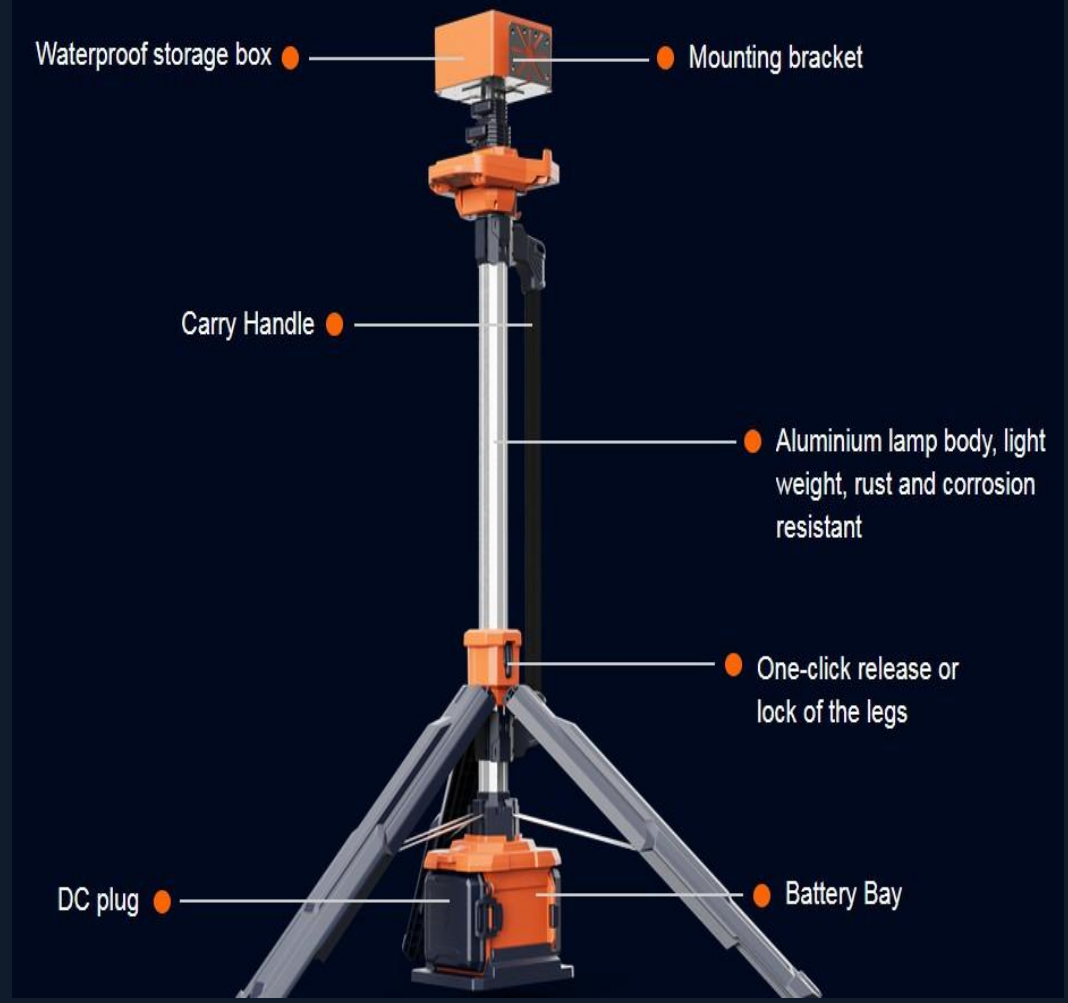
It has been optimally designed with a high-capacity battery to ensure long-lasting illumination. Whether for outdoor adventures, camping, emergencies or long working hours, users can rely on this product for reliable, long-lasting light without the need for frequent recharging or battery replacement

Typical working hours
(D24-100 Battery Packs x2)
40-150 Hours

MAXIMUM OUTPUT POWER
40W

Accessories recommendation





XDV-G300: runtime by connected load

6–150 h

typical operation
with two 100 Wh batteries

HOT-SWAP
Battery replacement without downtime





HDS

XDV-G500: taller mast and greater capacity

XDV-G500

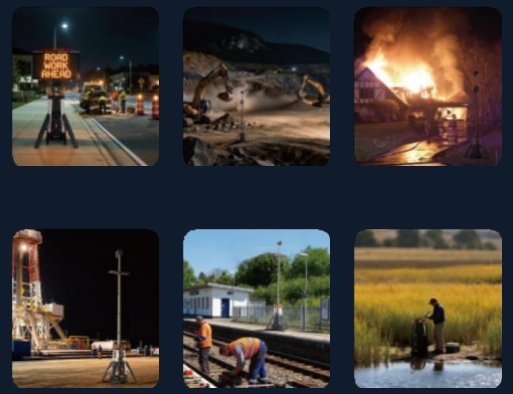
1.3–5.0 m
HEIGHT

10 kg
PAYLOAD

100 W
MAX. POWER

IP65
PROTECTION

Electric telescopic mast Battery or solar power







XDV-G500: extended runtime and solar support

13.5–450 h

typical operation with three 24 V, 500 Wh batteries

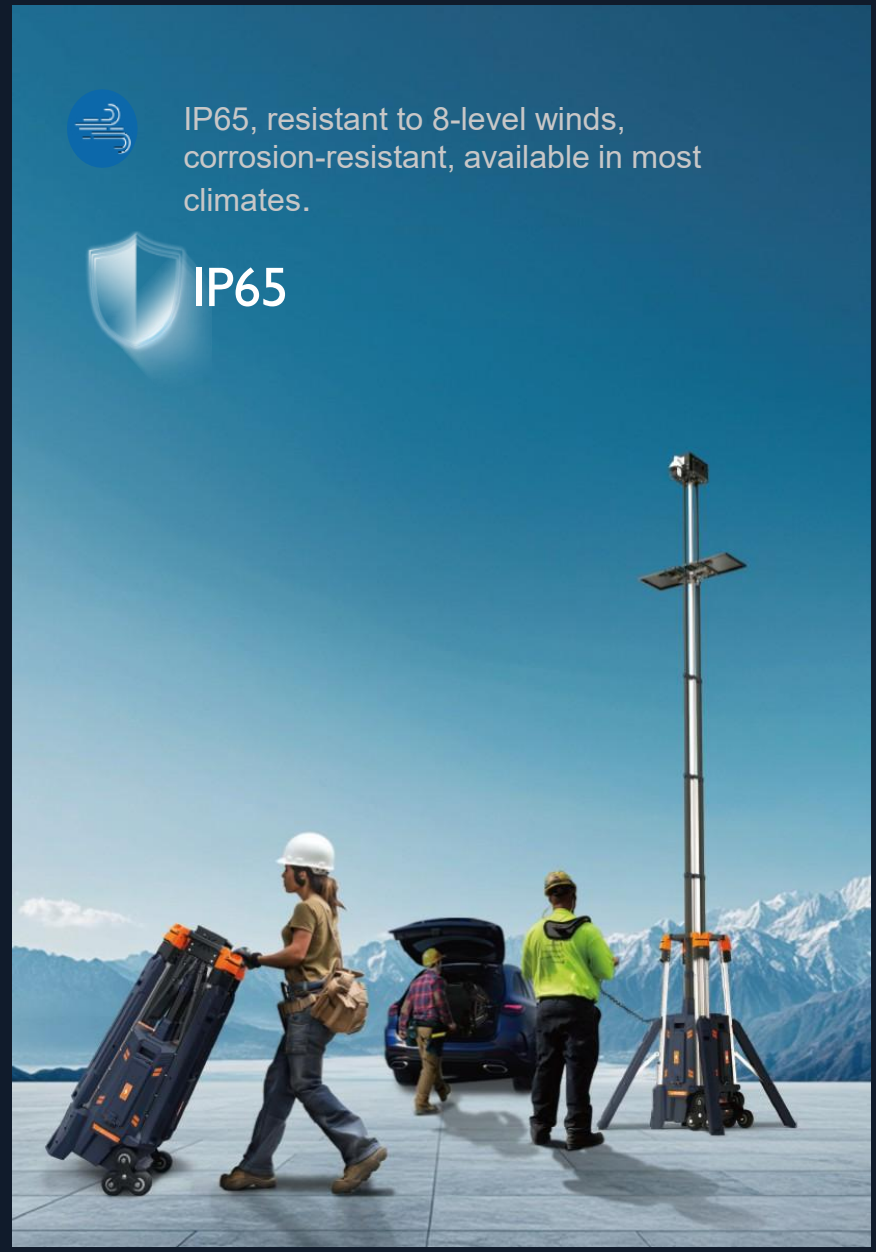
SOLAR INPUT

Stable power for lower-consumption devices



IP65, resistant to 8-level winds, corrosion-resistant, available in most climates.

IP65



XDV-G300 or XDV-G500

	XDV-G300	XDV-G500
HEIGHT	3.1 m	5.0 m
PAYLOAD	5 kg	10 kg
POWER	40 W	100 W
POWER SUPPLY	2× D24-100	3× D24-500 / solar

Specifications

XDV G200

Height	1.1~2.2m
Weight	6.8KG (Fitting only)
Power Supply	D24 Series battery pack
Input Voltage	DC 24V (D24-10S) DC 29.4V (MC-1MC-2)
Output	12V 3A
Maximum output power	40W
Typical working hours	3h-7h (D24-100 x 1)
Output(USB)	5V 3A
Operating Temp	-10°C~50°C





XDV G300

Height	1.3~3.1m
Weight	9.0KG (Fitting only)
Power Supply	D24 Series battery pack
Input Voltage	DC 24V (D24-10S) DC 29.4V (MC-1MC-2)
Output	12V 3A
Maximum output power	40W
Typical working hours	6h~15h (D24-100 x 2)
Output(USB)	5V 3A
Operating Temp	-10°C~50°C

XDV G500

Height	1.3~5.0m
Weight	57.0KG (Fitting only)
Power Supply	D24 Series battery pack / Solar energy
Input Voltage	DC 24V
Output	12V 5A / 5V 3A
Maximum output power	100W
Typical working hours	13.5h~450h (D24-500 x 3)
Output(USB)	5V 3A
Operating Temp	-10°C~50°C



LBS: public lighting and SMART configurations

NIGHT

The lighting network powers the camera and charges the LiFePO4 battery

DAY

The battery supplies power to the camera and accessories

180–265 V AC / 11–14.4 V DC

256 Wh–2,048 kWh

HDS

RELIABLE POWER

Night charging
Daytime battery operation
Integrated protection

HDS

STANDARD LBS

256 Wh to 1.28 kWh
Integrated BMS
Capacity matched to load

HDS

SMART LBS

Bluetooth monitoring
External BMS
Local battery status

POWER SUPPLY

180–265 V AC / 11–14.4 V DC

STANDARD

Integrated BMS
Capacity based on load

SMART LBS

External BMS via Bluetooth
Local battery monitoring

WBS: solar power, connectivity and remote monitoring

SOLAR	Dedicated battery
CAMERA	Wi-Fi or 4G
DATA LINK	LAN / LTE
DESIGN	Based on power consump



No construction work required
Designed for cities and municipalities
Night charging with daytime battery operation

HDS

CONFIGURATION BY SITE

Wi-Fi or 4G connectivity
Independent solar power
LTE router for remote access
Sizing based on load and required runtime

REMOTE MONITORING	Battery status without an on-site visit
NETWORK SWITCH	Part of the solution, LAN / LTE

WBS combines independent solar power with data transmission and remote monitoring.

System selection by site type

01 MOBILE SITE

XDV-G300 / G500

02 PUBLIC LIGHTING

LBS

03 SOLAR POWER

WBS / ECS

www.hds.sk

HDS

We design the right configuration for your site

Four inputs are enough

01 Installation location
02 Wi-Fi / 4G availability
03 Connected-device load
04 Required runtime

www.hds.sk

ECS: off-grid solar power

Four configurations for reliable CCTV operation



ECS-G4030

40 W panel
LiFePO4 384 Wh



ECS-G6030

60 W panel
LiFePO4 384 Wh



ECS-G6050

60 W panel
LiFePO4 640 Wh



ECS-G12060

120 W panel
LiFePO4 768 Wh

IP65 **MPPT** **>95% charging efficiency** **12 V / 3 A**

ECS: technical comparison

PARAMETER	ECS-G4030	ECS-G6030	ECS-G6050	ECS-G12060
Panel	40 W / 18 V	60 W / 18 V	60 W / 18 V	120 W / 18 V
LiFePO4 battery	30 Ah / 384 Wh	30 Ah / 384 Wh	50 Ah / 640 Wh	60 Ah / 768 Wh
Full charge in sunlight	10–12 h	7–9 h	10–12 h	8–10 h
8 W camera, cloudy conditions	2 days	2 days	3–4 days	5–6 days
Gross weight	10.5 kg	11.2 kg	12.7 kg	18.5 kg
Temperature range	−10 to +60 °C	−10 to +60 °C	−10 to +60 °C	−10 to +60 °C

Protection and connections

MPPT controller, short-circuit protection, 10 A surge protection

Optional: USB-C, Micro-USB, USB 2.0 and RS485