



UKAL

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UKAL TECH SELECTION

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- 2 **Cameras**
Horizont
- 8 **Meadow pump**
Hotline
Lorentz

UKAL.com



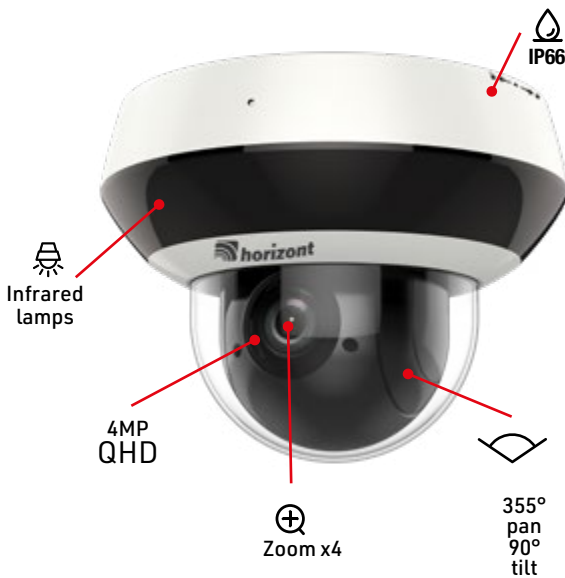
UKALTECH

UKAL TECH is the new branch of UKAL dedicated to technical and innovative products requiring support and advice from our experts. This division adapts to the specificities and constraints of breeders, their animals and their farms. Our aim is to meet their new expectations by offering expert and tailor-made solutions to improve production, the quality of life production, the quality of life of farmers and animal welfare. We focus on innovation and digitalization of farms. Find here a selection of UKAL TECH articles.

The UKAL-Horizont group has chosen to make its know-how and technical experience available by developing a new segment dedicated to farm building and livestock surveillance.

To put together its new range of security cameras and accessories, the horizon group has worked with a long-standing partner specialised in the field and known for the high quality of its products.

High-performance cameras offering some of the best viewing angles on the market.



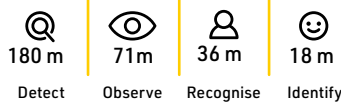
VISION 360° CAMERA 360°

Security camera for protecting and securing premises (industrial buildings, warehouses, farm buildings, etc.). It provides extensive coverage and a zoom function for more detailed images. Users can see what is happening **from any angle**, in the smallest detail, at any time.

Specification:

- Use in standalone mode or with the compatible recorder
- PoE /12V DC
- Micro SD card up to 256 GB optional
- Infrared projector 20 m
- Resolution: 4 megapixels 2560 x 440
- Built-in microphone
- Control with the Horizon-Live app (for iOS or Android)
- 0 to 355° pan
- 0 to 90° tilt
- Optical zoom x 4 (digital x 16)
- This kit contains: the camera and the mounting screws

Système DORI



Sku. HOR100122



-

**VISION COLOUR
SMART NIGHT VISION CAMERA**

Smart security camera for protecting and securing premises (industrial buildings, warehouses, farm buildings, etc.). Features AcuSense technology for smart detection of vehicles and people and **ColorVu** technology for colour night vision.

Specification:

Use in standalone mode or with the compatible recorder

PoE /12V DC

Micro SD card up to 256 GB optional

White light projector included 40 m

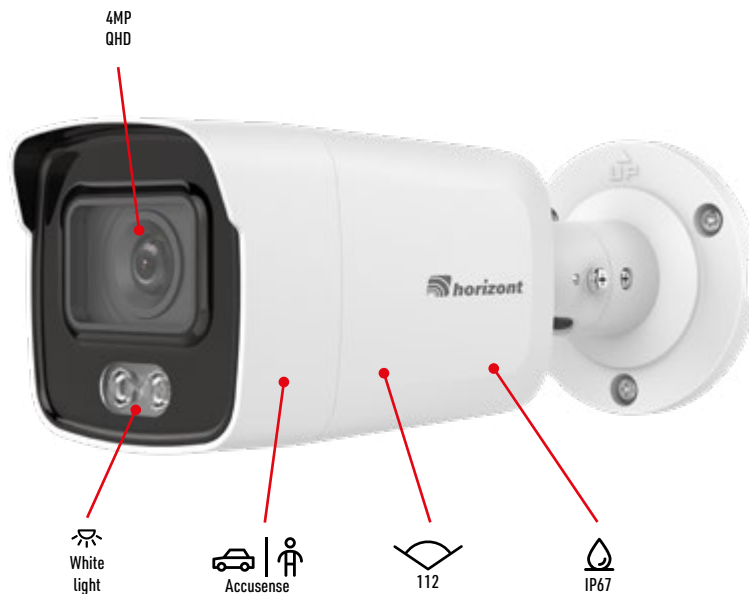
Resolution: 4 megapixels 2,688 x 1,520

Control with the Horizon-Live app (for iOS or Android)

Pan 112°

Tilt 61°

This kit contains: the camera and the mounting screws



Sku. HOR100121



3 700393 977824



Système DORI

53 m	23 m	11 m	2 m
Detect	Observe	Recognise	Identify

-

CAMERA 360 ZOOM PRO

Professional surveillance camera for building protection and security (industry, storage facilities, farms, etc.). It provides extensive coverage and can be zoomed in for greater detail.

Specification:

25× optical zoom and 16× digital zoom 25× optical zoom and 16× digital zoom provide close up views **over expansive areas**

High quality imaging (4 millions pixels)

Focuses on human and vehicle targets classification based on deep learning (AcuSence 2.0)

Excellent low-light performance with powered-by-DarkFighter technology

Stand-alone or **compatible** with **PoE 802at/ DC12V recorder**

Optional **micro SD card up to 256 GB**

Expansive night view with up to 100 m IR distance

Management via the horizon-live application (iOS & Android)

Viewing angle: 55° to 2.4°

Panoramic rotation: 360°

Tilt: -15° to 90°



Système DORI

2400 m	952 m	480 m	240 m
Detect	Observe	Recognise	Identify

Sku. HOR100124



3 700393 983023



- Hard drive included
- Accusense
- HDMI
- H.265+ HEVC



- LED indicator lights
- 30°C
+70°C



**VISION NETWORK VIDEO RECORDER
SMART VIDEO RECORDER**

4-channel video recorder for optimum surveillance of your buildings.

Specification:

- Very high definition up to 12 million pixels
- VGA output and HDMI 4K
- Up to 4 IP cameras (PoE)
- Control with the Horizon-Live app (for iOS or Android)
- Smart, simple, user-friendly interface
- Live viewing on a smartphone or computer
- This kit contains:** hard drive, HDMI cable, mouse, network cable

Sku. HOR100111



**VISION BRIDGE
WIRELESS BRIDGE**

The wireless bridge provides a remote, wireless connection with a range of 5 kilometres in a totally clear area.

Specification:

- 5 GHz / 867 Mbps
- Range up to 5 km
- Built-in 12 dBi 2*2 MIMO antenna
- IEEE 802.11 ac standard
- 1*10/100/1000 Mbps LAN
- 1*10/100/1000 Mbps Passive PoE LAN
- Operating angle 40° horizont / 15° vertic
- This kit contains:** wireless bridge, PoE adapter, 12V power supply, 2 plastic ties, installation instructions

Sku. HOR100101



HORIZONT-LIVE APP

How can you view your camera images?

We offer the possibility of casting live video from your camera to your television (NVR only), your computer or your smartphone using the horizon-live app.

**HORIZONT-LIVE:
a single app
to monitor your farm buildings**

- Simple and intuitive to use
- Manages all your video surveillance systems
- Stream live images from your cameras
- Control cameras remotely
- Intruder notification alert



CAMERA KITS

We have developed a series of camera kits ready for you to sell in store that will meet the majority of your customers' needs.



WIRED KIT 1 CAMERA

Kit contains:

- NVR recorder
- Vision Colour camera

Sku. HORKIT100100



WIRELESS KIT 1 CAMERA

Kit contains:

- NVR recorder
- Vision Colour camera
- 2 Vision bridges

Sku. HORKIT100200



WIRELESS KIT 4 CAMERAS

Kit contains:

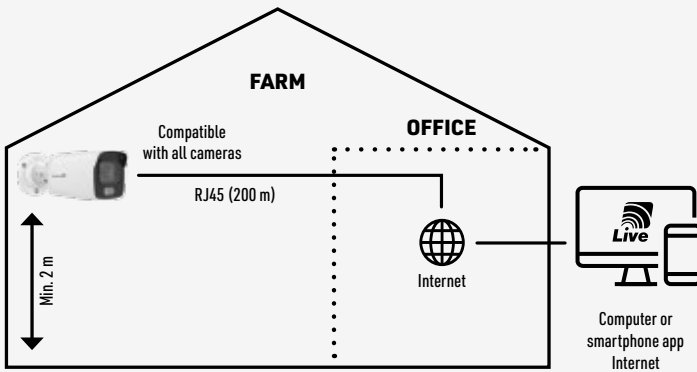
- NVR recorder
- 4 Vision Colour cameras
- 2 Vision bridges

Sku. HORKIT100250

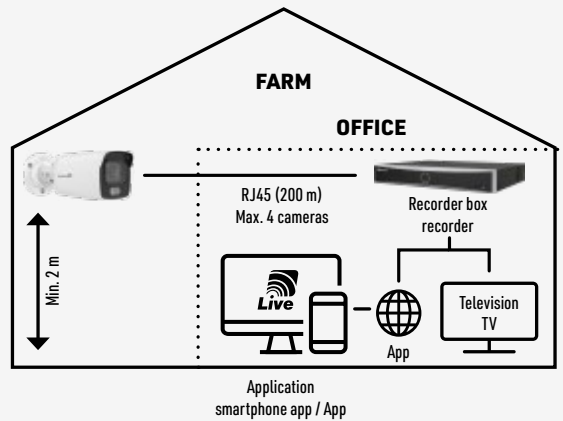


TYPICAL INSTALLATIONS

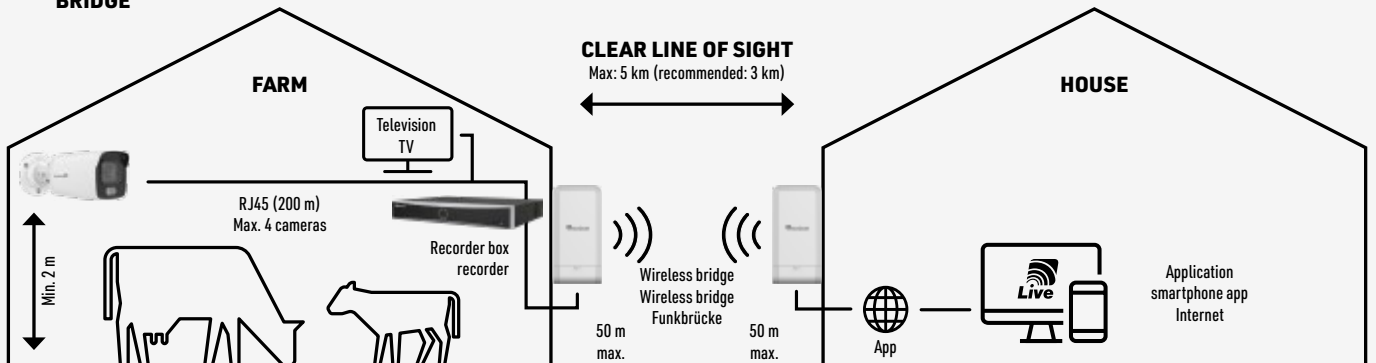
1 CONNECTION TO THE FARM BY RJ45 CABLE



2 CONNECTION TO THE FARM VIA AN NVR BOX



3 CONNECTION TO THE FARM VIA A WIRELESS BRIDGE



UKAL TECH SELECTION | Cameras

ADDITIONAL ACCESSORIES



NEW

POE OUTDOOR WIFI TERMINAL

Benefit from high quality WiFi quality everywhere. Ideal for connecting your electronic devices indoors and outdoors. Recommended for farms (especially for surveillance systems). 3000 Mbps WiFi speed - Works outdoors dust and water resistant water-resistant (IP65). Powered by Ethernet - Provides both a data connection and power supply with a single cable.

Sk. HOR100502



NEW

4G ROUTER

Benefit from high quality WiFi anywhere, thanks to the 4G+ router. Ideal for connecting your electronic devices. Recommended for gites, farms (especially for surveillance systems), The router provides 6 Mesh WiFi coverage via 4G+ CAT6 access. High-speed WiFi 6 up to 1.8 Gigabit - WiFi dual-band 1201 Mbps (5 GHz) and 574 Mbps (2.4 GHz). 100% Gigabit Ethernet - 3 Gigabit Ethernet WAN / LAN ports provide reliable and stable Internet access.

Sk. HOR100501



HOR100131



HOR100503

SWITCH

For Horizont cameras.

Sk. HOR100131

6 ports
Distance: 300 m



Sk. HOR100503

8 ports **NEW**



WALL MOUNTING

To mount the Vision 360° camera vertically on a wall. Made of polycarbonate for excellent thermal resistance and mechanical strength. For indoor or outdoor use. The RJ45 and power cables pass inside the mounting.

Sk. HOR100123



Polycarbonate



MICROSDXC MEMORY CARD

- Directly compatible with the cameras
- Operating temperature: 0 to 70°C
- Micro-SD to SD adapter supplied

Sk. HOR100142



64 GB

MAINS POWER SUPPLY

Mains power cable for Vision Colour camera.

Sku. HOR100132



NEW

WARNING SIGN FOR SURVEILLANCE CAMERAS

This warning sign indicates the presence of a surveillance camera system. It incorporates 2 holes at the top of the for easy installation.

Available in 3 languages: French, English and German.

Sku. 9HOR100150



14,8 x 21 cm

NEW

RJ45 CABLE

RJ45 F/UTP CAT6

- Anti-UV for outdoor use
- Colour: black



Sku. HOR100135-3	1 m	
Sku. HOR100135-5	5 m	
Sku. HOR100135-2	10 m	
Sku. HOR100135-1	20 m	

Sku. HOR100135-30	30 m	
Sku. HOR100135-40	40 m	
Sku. HOR100135-50	50 m	
Sku. HOR100136	Made-to-measure length.	





MEADOW PUMP KIT WITH SOLAR PANEL 60 W

Hotline
Electric Fencing

The complete meadow pump kit allows you to supply water to your pasture tank, avoiding water contamination by animal excrements but also stopping erosion of river and stream banks by cattle. An easy, reliable and autonomous way to provide water to livestock when watercourses are fenced off. This maintains water quality at a high level and preserves the healthy growth of local flora and fauna.

The complete prairie pump kit includes:

- 1 control box with compartment for 12V battery. **BATTERY NOT INCLUDED**
- 1 30 m hose with submersible pump
- 1 float switch
- 1 solar panel 60W **INCLUDED**

Its solar panel provides constant autonomy for this meadow pump kit. The polypropylene battery compartment is very weather resistant and can hold a 12V/85 Ah battery (not included). For optimal operation of your meadow pump, we recommend the use of an 85 Ah battery. Farmers increasingly need to keep their livestock away from waterways. The European Water Framework Directive (WFD) establishes a framework for the protection of inland waters, transitional waters (estuaries), coastal waters and groundwater. River fencing provides protection against bank erosion. Solar battery-powered meadow pump kits can be integrated into all common drinking troughs. The kit is equipped with a float that activates the submersible pump when the water level drops. The pump is connected to a 30 m long hose that leads directly from the water source to the tank. The set is powered by a 12 V battery (not included in the kit) located in a weatherproof housing. We recommend an 85 Ah battery. The water requirements of the animals are very different and are influenced by temperature, humidity and type of feed, among other things. The majority of grazing animals are herd animals and want to drink together, so the size of the drinking trough should allow for this. By increasing the height, the pumping capacity is reduced. At a height of 10 m the pump is running at about 65% of its maximum performance. The charging times of the solar energy vary according to the weather conditions. Keep in mind that in summer the water needs of the animals increase. The water requirements are indicative. Make sure to follow the instructions for use.

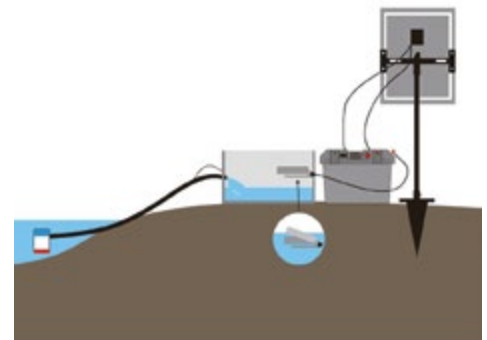
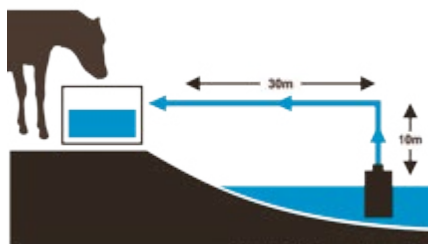


Sku. 119150

Meadow pump kit with solar panel



FIND OUR VIDEO ON YOUTUBE



MEADOW PUMP KIT WITH HOSE AND FLOAT **Hotline**
Electric Fencing

The complete Meadow pump kit includes: 1 control box with compartment for 12 V battery (battery not included), 1 30 m hose with submersible pump, 1 float switch.

Sku. 119150001



Meadow pump kit with hose and float



SOLAR PANEL 60 W WITH SUPPORT **Hotline**
Electric Fencing

This 60W solar panel with support is suitable for the meadow pump kit. This element allows to gain autonomy and to ensure a permanent water supply in the pasture tank. A real economic gain!
- Highly efficient crystalline solar module
- Adjustable aluminium support
- Developed for connection to the meadow pump kit - without charge controller
- Dimensions: 685 x 670 x 35 mm.

Sku. 119150002



Meadow pump kit with solar panel



To request a personalised quote, you can contact customer service **UKAL TECH** on **+33 3 88 90 73 93** via the ukal.com form



SOLAR PUMP



This solar powered submersible water pump is ideal for pumping water directly from any source (wells, streams, ponds...). It can be used for various applications: watering livestock, irrigating crops, drinking water...
This pump works thanks to the sun, without any battery, without any other energy source.

The S1-200 system includes:

- Helical rotor pump with high efficiency DC brushless motor pre-attached 15 m (50 ft) motor cable to plug into the controller
- S1-200 mini controller with accessory inputs for dry run protection and tank full switch
- PV module adapter to use any standard PV module (max. 55 VDC)

Additional accessories required (not included):

- Solar panel 120W: ref.119150105
- 2 Floats: ref. 119150140

Other complementary accessories (not included):

- Pump extension: ref.119150141
- Probe extension: ref.119150142

Sku. 119150130 Depth: up to 18 m
Water volume per day: up to 23 m³/d

Sku. 119150120 Depth: up to 27 m
Water volume per day: up to 14 m³/d

Sku. 119150110 Depth: up to 40 m
Water volume per day: up to 7 m³/d





LORENTZ

FLOATS FOR LORENTZ SOLAR MEADOW PUMPS

Two floats for LORENTZ solar meadow pumps for dry run protection and automatic tank filling monitoring (Tank Full Switch).

Sku. 119150140



Dry Run Protection :
15 m Tank Full Switch:
10 m



LORENTZ

MOTOR EXTENSION CABLE 20 M FOR MEADOW PUMP

Cable with plugs to extend the motor cable on S1-200 systems. The S1-200 Motor Extension Cable is used to extend the motor cable on S1-200 pump systems. The cable has two 3-pin male and female push lock/ twist type connector.

Sku. 119150141



20 m



LORENTZ

ACCESSORY EXTENSION CABLE FOR MEADOW PUMP

Cable with plugs to extend the Tank Full Switch and Dry Run Protection. The S1 - Accessory Extension Cable is used to extend the Tank Full Switch and the Dry Run Protection cable on S1 pump systems. The cable has two M16 male and female 2-pin connectors.

Sku. 119150142



20 m



LORENTZ

SOLAR PANEL FOR LORENTZ MEADOW PUMP

This 120W solar panel will fit perfectly with the LORENTZ meadow pumps (ref. 119150110 ; ref. 119150120 ; ref. 119150130). It will generate enough solar energy to ensure an optimal functioning of these pumps and thus ensure a permanent water supply for the cattle in the pastures. Please note that for optimal use of these pumps, 2 panels of 120 watts are required, 240W of power.

Sku. 119150105



120 W



LORENTZ

NEW

CONNECTION CABLE FOR SOLAR PANELS

Connection cables to connect 4 panels to the LORENTZ Grassland Pump System. These cables significantly increase the performance of the system.

Sku. 119150143



IP65





UKAL

THE WORLD OF LIVESTOCK

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