FARM VIDEO SURVEILLANCE



VIDEO SURVEILLANCE GUIDE

Do you have a strong Internet connection where you want the camera?

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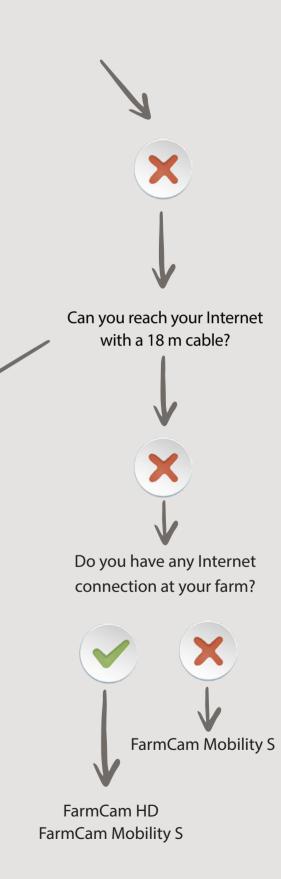


All video surveillance cameras

FarmCam HD

FarmCam Mobility S

FarmCam 360S with an extra antenna kit



FarmCam 360S Article no. 1116

Motorized pan & tilt Wi-Fi surveillance camera with a 360° overview



FarmCam 360S is a mobile surveillance camera for both indoor and outdoor use that can cover 360°. The camera has a 16x digital zoom and a 2560 x 1440 video resolution, giving you razor-sharp images in Full QHD quality (almost twice as sharp as Full HD).

FarmCam 360S can be powered by 230 V or a SolarCharger during warmer months and sunshine, plus temporary with its built-in rechargeable battery when needed.

Install the camera at a minimum 10° angle and a distance of 2-10 m from the area you want to monitor. The camera detects movement optimally when the object moves across the sensor detection zone. The PIR (passive infrared) sensor is triggered by changes in temperature in front of the camera. When a human or animal passes by, the temperature and surface characteristics change, triggering detection. The AI function in the camera can identify a person, vehicle or other movement. You can choose which (or all) object (s) that will trigger a notification. The camera can also record on the included 32 GB memory card.

Recorded camera images



The IP65 rated camera has night vision, alarm plus microphone and a speaker with talk-back function built-in the camera. In the FarmCam 2.0 app you can talk with the person in front of the camera or use a recording of your voice to scare off an intruder.

The camera has a built-in speaker and can be configured to sound an alarm. The alarm is triggered automatically when motion is detected or manually through the FarmCam 2.0 app.



Scan the QR code to see what is included in the package



Comes with a 5900 mAh rechargeable battery





ADVANTAGES

- **(**Figure 4.1) PIR and night vision up to 10 m
 - IP65 weatherproof classification
- Full QHD2560 x 1440 QHD video resolution
- (1) Speaker

- <u>
 <u>
 </u>
 <u>
 </u>
 Microphone
 </u>
- 🔍 x16 digital zoom

FarmCam Mobility S Article no. 1115

A truly mobile camera with 16x digital zoom



As long as you have 3G/4G network coverage, you can setup the FarmCam Mobility S wherever you need it. The camera has a smart motion detection sensor that will register and record activities that appears in front of the camera and can record on the included 32 GB memory card.

The camera comes with a pre-installed Nano SIM card. You can activate and deactivate the subscription according to your needs.

When the camera registers activity, it will send you a notification to your smartphone or by e-mail. Install the camera at a minimum 10° angle and a distance of 2-10 m from the area you want to monitor. The camera detects movement optimally when the object moves across the sensor detection zone. The PIR (passive infrared) sensor is triggered by changes in temperature in front of the camera.

When a human or animal passes by, the temperature and surface characteristics change, triggering detection. The AI function in the camera can identify a person, vehicle or movement. You can choose which (or all) object (s) that will trigger a notification.

Recorded camera images



FarmCam Mobility S has three power supply options. The camera can be powered by 230 V or a SolarCharger during warmer months and sunshine. FarmCam Mobility S also comes with a rechargeable battery that has a capacity of 7500 mAh. In standby mode, a fully recharged battery can last for about 2 months.

Thanks to the rechargeable battery and included SIM-card, you can monitor your property, machines, animals, etc. in remote areas.



Scan the QR code to see what is included in the package



30 DAYS FREE subscription

ADVANTAGES

- ()) Speaker
- **O** Microphone
- 🔍 x16 digital Zoom
- **PIR and night vision up to 10 m**
- IP65 weatherproof classification
- Full QHD2560 x 1440 QHD video resolution



3G/4G CONNECTION

MANY USAGE AREAS









FarmCam HD Article no. 1073

A wireless camera system that gives you an overview and control over larger areas



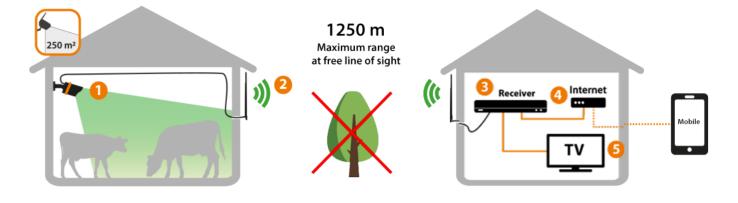
FarmCam HD is a robust and wireless camera system that gives you an overview and control over your farm.

You can keep an eye on your animals whenever you want and wherever you want through your mobile phone. This will make you feel confident that the animals are doing well even when you are out of place. By watching the animals at a distance, you can act faster if something happens. For example, during the calving season you can save calves and cows in time if difficult deliveries occurs.

With FarmCam HD you can also monitor unauthorized activity on the property, such as at the diesel tank. Connect up to four cameras, view and zoom on your screen or watch all four cameras at the same time to get an instant overview of several areas. The IR LEDs provides night vision which allow you to see in black and white in the darkness. If you have a separate night light, you can turn off the night vision.

The camera features motion-detection, records both video and sound, and sends notifications and alarms directly to your smartphone, tablet or PC if it detects movement outside your working hours. FarmCam HD includes a IP66 rated camera with rugged design, a receiver with 1 TB hard drive and all nessesary accessories to get started.





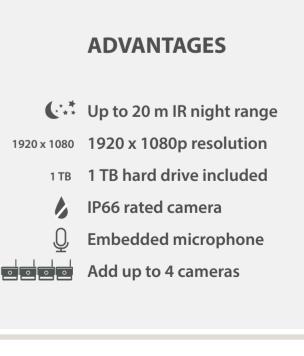
How it works

1. The signal is transmitted through the cable (9-18m) to the outdoor antenna. 2. The signal is sent wirelessly to the office/home. 3. The receiver receives the signal through its outdoor antenna connected with cable (9-18m). 4. By connecting the receiver to your internet router you can see your animals/barn/buildings/farm wherever you go, using any smartphone, tablet or computer connected to the internet. 5. By connecting the receiver to your TV you can see the camera picture there as well.



Scan the QR code to see what is included in the package





FarmCam 2.0

All cameras in one app

The FarmCam 2.0 app supports FarmCam HD, FarmCam Mobility, FarmCam Mobility S, FarmCam 360 and FarmCam 360S. Receive alarms and notifications directly to your smartphone.



Receive notifications

With push notifications activated you

will get notifications immediately when

the camera detects motion. If you only

want to receive push notifications during

certain times, you can customize the

notification schedule.

Change camera settings Whether it is to schedule video recording or configure detection sensitivity, you can adjust the camera according to your needs and surrounding.



Check video recording

The cameras can record video to physical storage, which is included with your camera purchase. View recorded videos directly in your smartphone at anytime and anywhere.

FREE



Multi-view

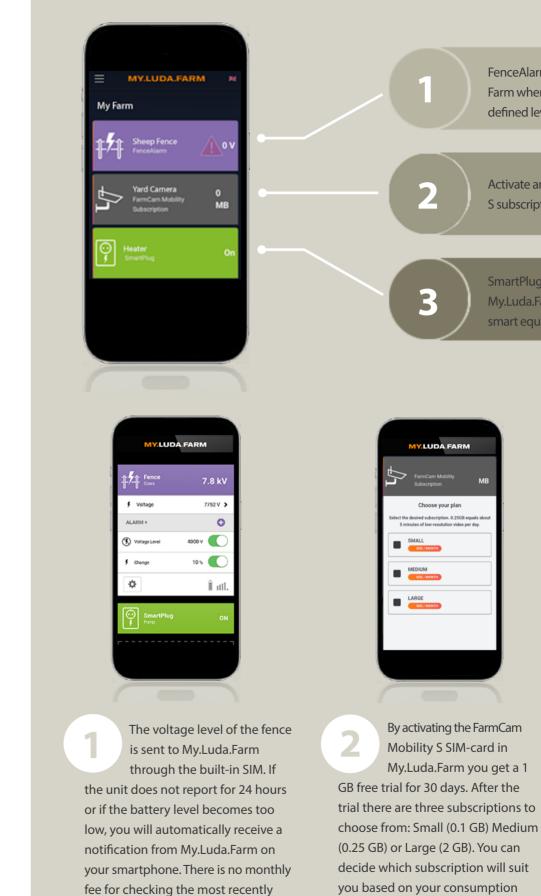
The app has a multi-view function which allows users to view several cameras at the same time. You can view up to 9 cameras simultaneously.



Share your camera You can share your camera with family and co-workers by scanning the QR code of the camera in the app.

My.Luda.Farm

Remotely control your electrical equipment



measured voltage, which is updated

every 24 hours.

FenceAlarm notifies you through My.Luda. Farm when the voltage in your fence drops to a defined level.

Activate and deactivate your FarmCam Mobility S subscription according to your needs.

SmartPlug connects your electric equipment to My.Luda.Farm and turns ordinary machines into smart equipment.

3

you based on your consumption during the 30-day trial.



Switch your equipment on and off from anywhere in the world and check

both the temperature and power consumption. You can also receive alarms in case of a power failure or if the temperature goes outside a desired range. There is no monthly fee for remotely controlling the electric power or checking the temperature and power consumption.

COMPARISON CHART

Find the right camera system for your needs

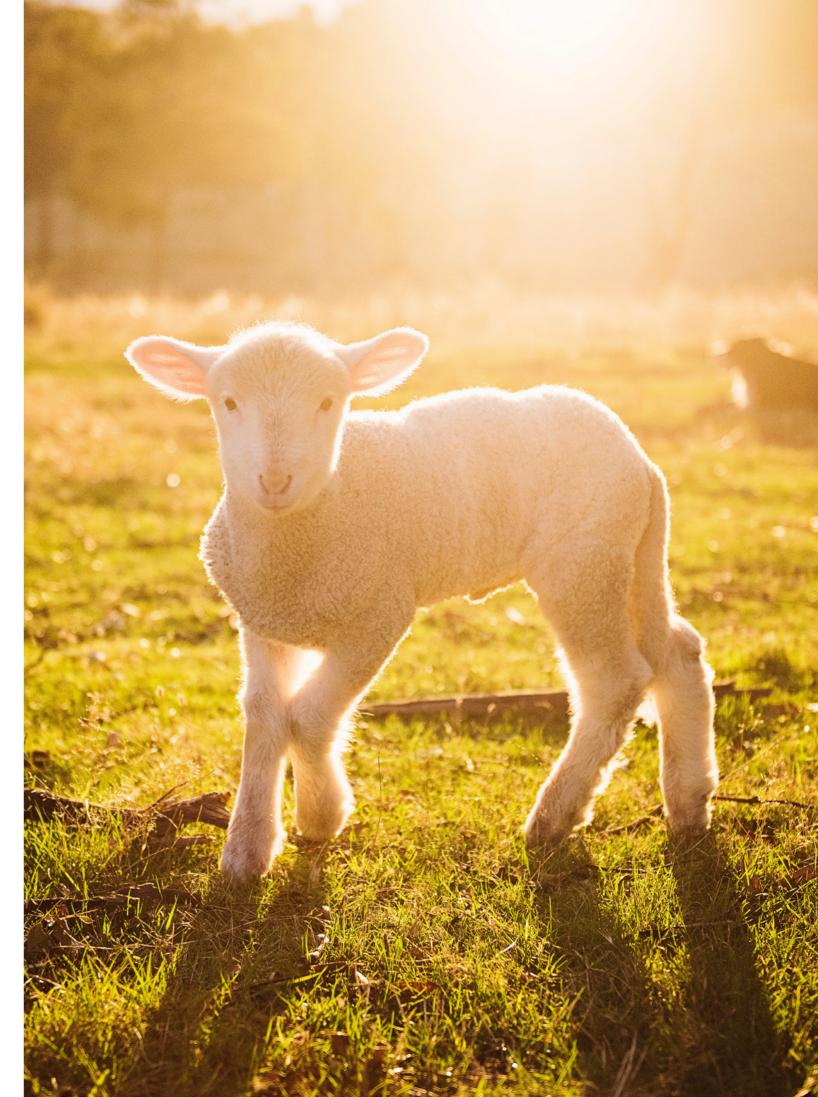






FarmCam 360S FarmCam Mobility S FarmCam HD

FEATURES			
Operating frequency	2.4 GHz, 5 Ghz	LTE FDD: B1/B3/B5/B7/B8/B20	2422 - 2462 MHz
Digital zoom	x16	x16	No
Angle of view	105°	115°	90°
IR night range	10 m	10 m	20 m
IP rating camera	IP65	IP65	IP66
Max amount of cameras	No limit	No limit	4
Battery	Built-in battery	Rechargeable battery	No
PIR detecting distance	10 m	10 m	No
PIR detecting angle	90°	120°	No
Power supply camera	5 V/2 A	5 V/2 A	DC12 V-1 A
Video resolution	2560 x 1440p	2560 x 1440p	1920 x 1080p
Operating temperature	-10 C to +55 C	-10 C to +50 C	-20 C to +55 C
Storage included	32 GB Micro SD card	32 GB Micro SD card	1 TB hard drive
Microphone	Yes	Yes	Yes
Speaker	Yes	Yes	No
Recording function	Yes	Yes	Yes, 24/7
Complete package weight in kg	1.02	1.02	5.48
Measurements in mm	240 x 170 x 145	245 x 198 x 105	375 x 295 x 230



FenceAlarm Article no. 1072

Monitors your electric fences



FenceAlarm is an electric fence monitor that can alert you immediately when the voltage drops. It can be used wherever there is GSM coverage and and can be connected to any point on your existing fence.

FenceAlarm notifies you through the app My.Luda.Farm when the voltage in your fence drops to a defined level. The unit can be powered for two months with the built-in rechargeable battery or it can be constantly powered with 230 V or 12 V.

The voltage is measured by connecting the red fence clamp to the fence and the green ground clamp to the ground pin.

The voltage level of the fence is sent to the My.Luda.Farm app through the built-in SIM, which always selects the operator with the strongest signal. You can check the fence status on your mobile whenever your want without having to physically visit the fence in the field to measure the voltage. If the unit does not report for 24 hours or if the battery level becomes too low, you will automatically receive a notification from My.Luda. Farm on your mobile phone. There is no monthly fee for checking the most recently measured voltage, updated every 24 hours. With the Alarm+ option (current price €5/month or €60/year) you and your team get immediate alerts should the voltage of your fence drop. You will be able to instantly find out if animals have broken the fence or if you have grass that draws power from your fencing. You will also have access to the Fence Voltage Graph[™].

Through the voltage graph you see if the voltage drop is sudden (caused by animals) or slow (grass or rain). The graph helps you to make the right decision when you need to prioritise your time.



Scan the QR code to see what is included in the package







FenceAlarm measure the voltage where it is connected to the fence, therefore it is important to consider how your fence is built and how the voltage travels through the thread.

Key points when installing FenceAlarm:

- Position of the energizer
- Position of the FenceAlarm
- Does the energizer send electricity in the fence in both directions?
- Check open gates, breaks in the fence or thread touching the ground

SmartPlug Article no. 1071

A smart remote power switch



SmartPlug is a smart remote power switch that is controlled by your smartphone and can be used anywhere you have GSM coverage. SmartPlug connects your electric equipment to the My.Luda.Farm app and turns ordinary machines into smart equipment. Switch your equipment on and off from anywhere in the world and check both the temperature and power consumption. You can also receive alarms in case of a power failure or if the temperature goes outside a desired range.

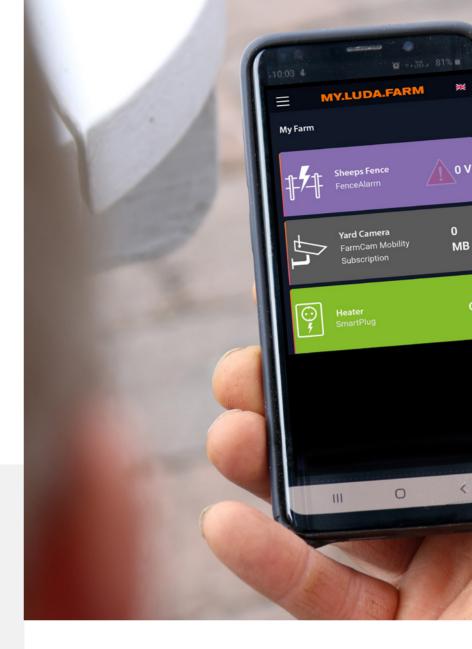
You can add multiple SmartPlugs in My.Luda.Farm and invite co-workers or family to share your SmartPlug, either via email or phone. If the user does not already have an account, they will be asked to create one in My.Luda.Farm.

Power units, pumps, fans, lighting, etc. – there is a variety of equipment on a farm that you would like to keep an eye on even when you are not there. Using the My.Luda.Farm app, you can remotely control your equipment and also keep track of the current temperature, the current power consumption of the connected equipment (W) and the total consumption (kWh). When power returns after a power failure, SmartPlug will automatically connect and switch to the power state it was before the power cut. The LED panel indicates the power status and you can switch SmartPlug on/off manually using the switch button on the front panel.

There is no monthly fee for remotely controlling the electric power or checking the temperature and power consumption. For enhanced functionality, we recommend adding the Control+ subscription. 12 months of Control+ is included, current price is \notin 24/year or \notin 4/month.











Enhanced functionality with Control+

Thermostat: Turns connected devices on or off based on your temperature settings.

Timer: Turns connected devices on or off based on your timer settings.

Power Guard: Sends an alarm to your smartphone when a power failure occurs at the connected equipment.

Power Consumption Guard: Alerts you when the electrical load goes above or drops below set levels.

Temperature Guard: Alerts you when temperature increases above or drops below set levels.

What can I connect to the SmartPlug?

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A wide range of appliances can be ed with the SmartPlug: fences, heating an, lighting, pump etc. Make sure that the power consumption of the appliance does not exceed the power capacity of the SmartPlug:

230 V, 16 A, 50 Hz, 3600 W

MachineCam HD Article no. 1088

Wireless HD camera system with extended pro features



With a range of up to 300 m, MachineCam HD was developed to perform without interference in the toughest of conditions.

The robust and waterproof HD camera is IP69K rated and it's high-powered IR-system lights up approx. 10 m in front of the camera. The 7" monitor has a true format of 16:9, which shows the image exactly as it looks in reality.



Scan the QR code to see what is included in the package

The system connects up to four cameras and has an auto reverse camera switch. With the split-screen feature, you can view two cameras simultaneously. A paired camera and monitor will automatically reconnect whenever in range and powered on.

The camera can be used together with our PowerBanks, a solid rechargeable battery with a very strong magnet, which allows you to move and place the camera where it captures the best view. The camera lens is equipped with two layers of glass, making it suiltable for working in dusty and tough environments. You can use a SD card (not included) to easily record and document what you see on the monitor. It will record the channel (or channels if the monitor is put to split screen mode) that you see on the monitor.

Bolts and screws for attaching the camera is not included in the system.









ADVANTAGES

- IP69K rated camera
- **Split screen and loop function**
- 8G 8G vibration
- 300m Up to 300 m range
- 5
- 5 year warranty
 - 7" HD monitor

MachineCam Mobility HD Article no. 1096

A unique camera system for all your machinees



With a transmitting range of up to100 m, MachineCam Mobility HD is an all-in-one solution that you can use for all your industrial machines. It has a unique mounting solution where the camera and battery are attached with magnets with a 40 kg of holding force.

The 7" HD monitor is powered with a 12 V power socket and is attached to the machine with a strong suction bracket.

The IP69K rated camera has 10 m night vision and you can connect two cameras to the system. The camera automatically appears in the monitor when they connect. Should large amounts of steel etc. block the signal, it is possible to add a cable with an antenna that can be mounted in a way that allows free line-of-sight.

With the included PowerBank, you can use your camera system for up to 15 hours on a single charge. MachineCam Mobility HD also comes in a sturdy case that allows you to easily carry the camera with you. The camera lens is equipped with two layers of glass, making it suitable for working in dusty and tough environments.

It is easy to add an extra camera to your system. We recommended pairing the camera with the monitor before mounting it. Connect the camera to a power source, press the CH button on the monitor and go to the channel where you want to pair the camera. Press and hold the M/PAIR button until the countdown starts. Within the 60-second countdown, press and hold the button on the back of the camera until you see that the camera has been paired. Mount the camera in the desired position after making sure the signal strength is good enough.



Scan the QR code to see what is included in the package







ADVANTAGES

- 110° wide angle lens 110°
- Extra strong magnets U
- **8G** vibration **8G**
- **Rugged hardcase**
- **Up to 10 m night vision**
- IP69K rated camera

TrailerCam HD Article no. 1101

IP69K weatherproof wireless camera system for your trailer



TrailerCam HD is a great camera system that allows you to easily monitor your animal in transport while you are driving. TrailerCam HD has night vision and gives you high-resolution images even if you are driving when it is dark.

The wide-angle function on the monitor allows you to easily see the entire trailer and if needed, you can purchase an extra camera to see behind the trailer when reversing.

TrailerCam HD comes with a 4 m 12 V cigarette adapter power cable for the 5" monitor. The IP69K rated camera has a strong magnetic base and connects directly to the power source in the vehicle (usually the lighting source).

You can use two cameras with one monitor, to shift view between the cameras you simply press the channel button on the monitor. In addition, the camera is compatible with our PowerBanks, making it possible to use them wirelessly and place them wherever you want. Due to it's IP69K-rating, the camera is weather as well as water resistant and has a very robust construction. The system only takes a couple of minutes to install, the camera and monitor will automatically pair when connected to a power source. The system has a transmission range of up to 100 m and night vision up to 10 m.



Scan the QR code to see what is included in the package









ADVANTAGES

(*** **	Night	vision	up to	10 m
------------	-------	--------	-------	------

Possible to use two cameras

1440 1280 x 720 resolution

110° wide angle lens

500 cd/m2 brightness

ForkliftCam Article no. 1080

Professional wireless fork camera system



ForkliftCam was designed for daily usage in tough conditions. The robust combination of an IP69K camera, a shock-tolerant 7" monitor, and a PowerBank with 40 kg of holding force makes this kit perfect for use in industry, warehousing, and logistics.



Scan the QR code to see what is included in the package

The camera transmits a high-resolution and interferencefree signal to the monitor for razor-sharp image quality. It is also equipped with LED lighting to keep the area around the fork tips visible even in dark conditions.

At full charge, the PowerBank will last for up to 32 hours of two-camera operation. This system can be supplemented with other vehicle cameras, such as a rear-view camera. The picture of two cameras can be viewed simultaneously in the split-screen function of the monitor.





Installation in

minutes

Visible LED illumination



ADVANTAGES Easy to disassemble or re-position 1 Up to 50 m line-of-sight range 50 m 800 x 480 800 x 480 resolution Up to 10 m night vision 10G vibration 10G

45° degress lens angle view

LiftCam HD Article no. 1103

A professional camera system, designed for industrial use



The system connects up to four cameras and has an auto reverse camera switch. With the split-screen feature, you can view two cameras simultaneously. A paired camera and monitor will automatically reconnect whenever in range and powered on.

Place the camera at the base of your fork to load pallets with precision, on the side of the fork to see around high pallets, or at the back of the machine to reverse comfortably. The PowerBank battery gives you up to 30h of working time and lets you move the camera between machines in seconds.

With a transmitting range of up to 300 m, LiftCam HD was developed to perform without interference in the toughest of industrial conditions.

The robust and waterproof HD camera is IP69K rated and it's high-powered IR-system lights up approx. 10 meters in front of the camera. The 7" monitor has 1024 x 600 resolution and a 16:9 format, which shows the image exactly as it looks in reality.

Both camera and battery attach magnetically. The camera is equipped with a built-in heater for anti-mist and anti-frost protection.

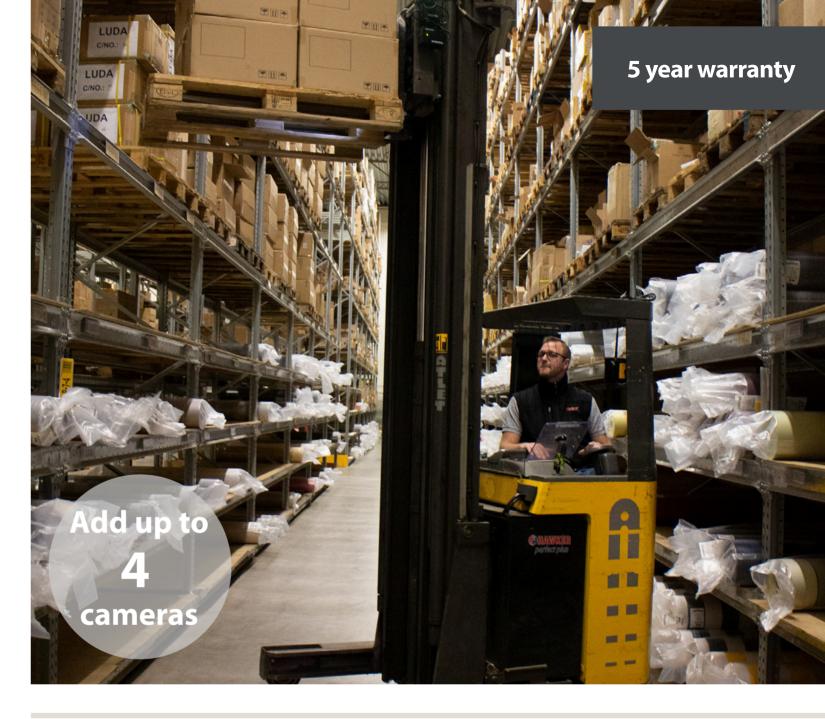
You can use a SD card (not included) to easily record and document what you see on the monitor. It will record the channel (or channels if the monitor is put to split screen mode) that you see on the monitor.

In partnership with TVH. LiftCam HD can only be puchased through our partner TVH.



Scan the QR code to see what is included in the package







ADVANTAGES

300m Up to 300 m range

IP69K rated camera

110°

110° wide angle lens view

1280 x 720

1280 x 720 resolution

8G

8G vibration

Auto-reverse camera switch

Add up to four cameras



Find the right camera system for your needs









MachineCam Mobility HD ForkliftCam MachineCam HD **TrailerCam HD FEATURES** Operating frequency 2412-2467 MHz 2400-2483.5 Mhz 2400-2483.5 Mhz 2400-2483. 5″ 7″ 7″ 7″ Screen size 720p Monitor resolution 1024 x 600 800 x 480 1024 x 600 12-32 VDC Power supply camera 10-32 VDC 10-32 VDC 10-32 VDC 5-32 VDC 9-30 VDC 10-32 VDC Power supply monitor 10-32 VDC Max amount of cameras 2 2 4 4 IP69K IP69K IP rating camera IP69K IP69K IP rating monitor IP30 IP30 IP30 IP30 Camera angle of view 110° 110° 110° 45° Night vision 10 m 10 m No 15 m 500 cd/m² 500 cd/m² 500 cd/m² Monitor brightness 500 cd/m^2 8G 8G N/A 10G Vibration 18 dBm 22 dBm 22 dBm 20 dBm Antenna output Max range line-of-sight 300 m 100 m 100 m 50 m Visible LED illumination No No No Yes **IR LED illumination** Yes Yes Yes No Split screen function Yes Yes No Yes No No Loop functionality Yes Yes Recording function No Yes No Yes Auto reverse function Yes No No No No Camera microphone No Yes Yes Monitor loudspeaker Yes No No Yes Wireless delay 200 ms 100 ms 200 ms 120 ms WEIGHT AND MEASURES (for the complete system) 1.17 Weight in kg 2.25 3.37 3.10 Measurements in mm 250 x 190 x 100 257 x 190 x 100 250 x 190 x 100 250 x 190 x





LiftCam HD

.5 MHz	2412-2467 Mhz
	7″
	1024 x 600
	10-32 VDC
	10-32 VDC
	4
	IP69K
	IP30
	110°
	10 m
	500 cd/m ²
	5.9G
	18 dBm
	300 m
	No
	No
	Yes
	200 ms
	3.75
(100	250 x 190 x 100

Accessories

Accessories that complement our camera systems



PowerBank 25000

Article no. 1064

PowerBank 25000 is a mobile battery pack with up to 32 hours battery time in daytime. It comes with a strong magnet and is designed to effectively charge your 12V camera when you are on the move. The PowerBank is IP65 rated and has a 25000mAh, 90 Wh, and 3.6 V battery capacity. The package includes an extra strong magnet with screws for the camera.

PowerBank 25000 is compatible with MachineCam HD, MachineCam Mobility HD, TrailerCam HD, ForkliftCam and LiftCam HD.



PowerBank 12000

Article no. 1119

PowerBank 12000 is a mobile battery pack with up to 22 hours battery time in daytime. It is IP68 rated and has a 12000 mAh, 44.4 Wh, 3.7 V battery capacity. The PowerBank has a strong a strong built-in magnet and a waterproof connector making it easy to attach the PowerBank wherever you need.

The package includes:

- 1 x PowerBank
- 1 x Power adapter
- 1 x UK socket adapter
- 1 x EU socket adapter
- 1 x US socket adapter

PowerBank 12000 is compatible with MachineCam HD, MachineCam Mobility HD, TrailerCam HD, ForkliftCam and LiftCam HD.



SolarCharger 3W

Article no. 1085

With the SolarCharger 3W connected to your FenceAlarm you will extend the battery life during warmer months and sunshine and you do not have to charge it more than once in a while. You connect the panel to the power outlet on your FenceAlarm.

The panel has a IP65 wheaterproof rating and has a solar cell effect of 3 W. It weights only 360 g and has a cable lenght of 2 meter. Solarpanel 3W is only compatible with FenceAlarm. The connection is DC jack 5.5/2.1 mm.



SolarCharger FCM

Article no. 1091

With the SolarCharger FCM connected to your camera you will extend the battery life during warmer months and sunshine and you do not have to charge it more than once in a while. You connect the panel to the power outlet on your camera.

The panel has a IP65 wheaterproof rating and has a solar cell effect of 3 W. It weights only 360 g and has a cable lenght of 2 meter. Solarpanel FCM is compatible with FarmCam Mobility, FarmCam Mobiliy S, FarmCam 360 and FarmCam 360S. The connection is Micro USB.



MachineCam HD extra camera Article no. 1098

An extra camera for MachineCam HD. You can connect four cameras to one MachinceCam HD monitor. An additional camera may be needed to ensure good supervision and when reversing.



ForkliftCam extra camera

Article no. 1050

An extra camera for ForkliftCam. You can supplement your ForkliftCam system with another vehicle camera, such as a rear-view camera and add up to four cameras to the same monitor. You can view two cameras at the same time with the split-screen function.



FarmCam HD extra camera kit Article no. 1074

An extra IP66 rated camera for your FarmCam HD system. You can connect up to four cameras in one FarmCam HD system. View and zoom on your screen or watch all cameras at the same time to get an instant overview of several areas. The IR LEDs provides up to 20 meter night vision which allows you to see in black and white in the darkness.



TrailerCam HD extra camera

Article no. 1100

An extra camera for TrailerCam HD. You can connect two cameras to one TrailerCam monitor. An additional camera may be needed to ensure good supervision and when reversing.

This camera is also compatible with MachineCam Mobility HD.



MachineCam Mobility HD extra camera

Article no. 1100

An extra camera for MachineCam Mobility HD. You can connect two cameras to one MachineCam Mobility HD monitor. An additional camera may be needed to ensure good supervision and when reversing.

This camera is also compatible with TrailerCam HD.

The extra camera kit includes:

- 1 x FarmCam HD camera
- 1 x Long range antenna with wall mount and screws
- 1 x Antenna Coaxial Cable 9 m
- 1 x IP44 rated power adapter 12 V, 1 A
- 1 x Power adapter cable 18 m
- 1 x Indoor antenna, for short range
- 1 x Shrink tube