



THE SURVEILLANCE CENTRE



Communication with wireless peripherals

Background

- TS Australia Pty Ltd was founded in 1996 (as Toshiba Electronics Representative Office for the ANZ territory).
- TS AUSTRALIA is the Patent holder of the UniQcam® “surveillance and recording device” and owns the UNIQCAM IP and its w/w Trademark.
- TS AUSTRALIA / UNIQCAM® are promoting and selling their standalone, battery operated and low power Surveillance Systems FALCON Pro, OWL Pro Series, uniQcam® wireless Peripherals and Sensors and offer the use of UNIQCAM®/MDC Cloud Dashboard Software.
- The camera boards are produced by our contract manufacturer in Singapore and the units are assembled and configured at TS Australia in QLD Australia.
- The Software development of the UNIQCAM® and Remote Dashboard underwent extensive field testing which was completed in 2018.
- System Software Design is done in Australia by highly skilled S/W engineers.
- Hardware Design is completely developed and owned by TS Australia/ UNIQCAM®.

Not the usual IP Camera System

- The patented UNIQCAM® System is the latest in **low power, standalone** security camera technology. The battery and solar operated camera captures high quality photo, video & audio - sent directly to your mobile, email and monitoring station
- The UNIQCAM® is a **portable & integrated solution** suiting even the most unconventional surveillance needs. It does not require a network, wires or mains power nor a typical installation process. This makes it ideal for easy placement in remote areas. It also allows for integration with UNIQCAM® wireless peripherals.
- The UNIQCAM® comes with **easy self-monitoring software** allowing for **remote** customised camera set up and footage can be viewed via a dashboard for independent monitoring.



Owl Pro' with or w/o Solar
Monochrome Camera

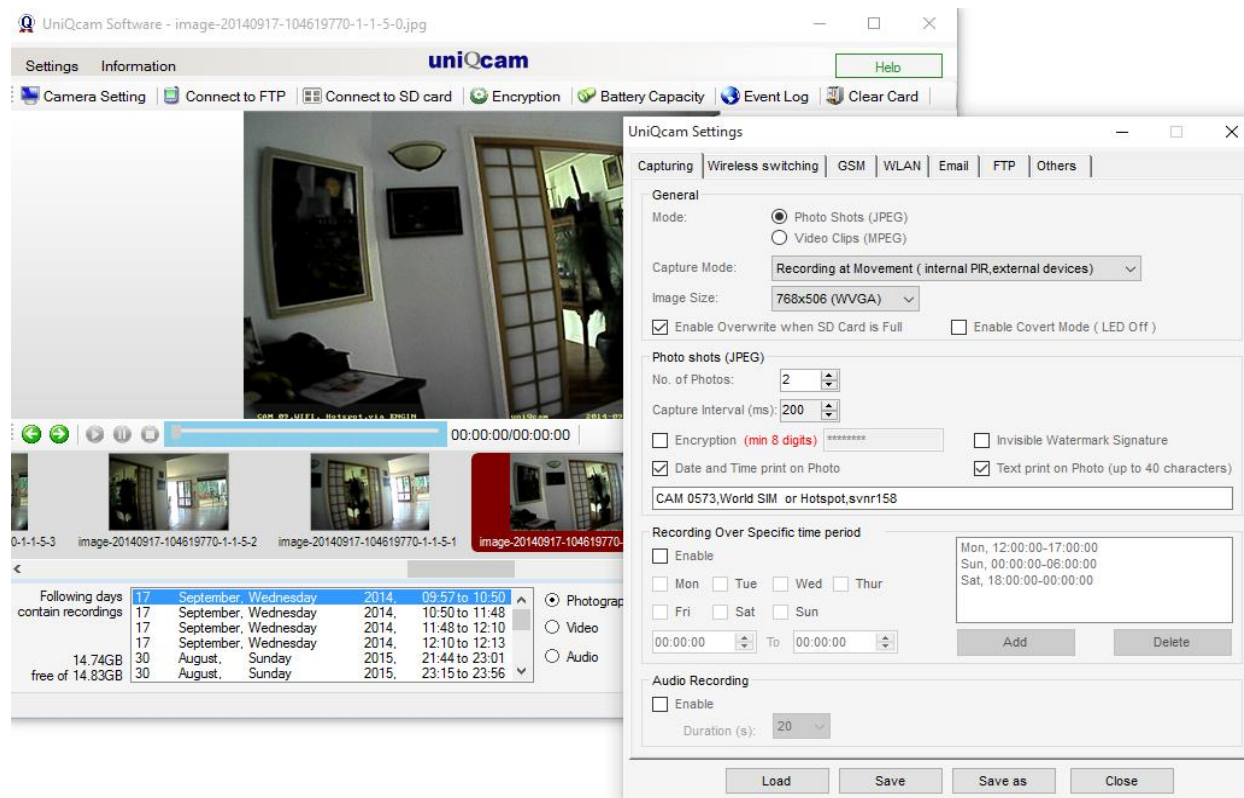
Falcon Pro' or Pro-IR with or w/o Solar
Colour Camera

The Key Features of the UniQcam

- Data Storage (internal SD card)
- 3G/4G /WLAN Transmission of Still Images, Video Clips and Audio
- Photos & Videos transmission to e-mail or FTP Server
- JEPEG, MPEG, WAV Audio recording (with integrated MIC)
- Night Vision with internal invisible IR Spotlight (940nm)
- Photo/Video/Audio Capture by internal PIR or in Time-Lapse
- Image Sensor for low light operation (3.4V/Lux-Sec) and HDR
- Time / Date Stamp on Photos and Videos
- Encryption, Watermark / Digital Signature
- Integrated wireless switch (433MHz) operating on secure “hopping” code to control external uniQcam Sensors and Devices
- Suitable as a wireless Alarm and Home Automation System
- 7 wks standby / operation power with rechargeable batteries
- The optional integrated Solar Hood or external 10W/20W Solar panels trickle charge Batteries and support ongoing activity (integrated Solar controller-PMU-)

Configuration & Monitoring on Desktop, Phone, Tablet with UNIQCAM Web Portal SW

- The uniQcam® can be setup easily on the User Interface with the provided PC Software. The same can be done remotely via the UniQcam Dashboard www.camera-innovation.com





Remote Configuration

We offer a Monitoring Service with Cloud Storage to our clients where the captured footage of each camera is transmitted to PC and Smart phone in almost real time.

Cameras can be set up and updated remotely, so there is no requirement to unplug the internal SD card in order to change the camera configuration.


That means individual or groups of cameras are controlled remotely via 3G/4G /WLAN. Cameras can be configured easily on the remote Dashboard from your PC , Smart phone or Tablet.

 [Dashboard](#) [Setup](#) [My Account](#) 

Camera #UC39120032 Configuration

[Setup](#) » [Camera](#) » [Configuration](#)

[Capturing](#) [Wireless Switching](#) [GSM](#) [WLAN](#) [Email](#) [FTP](#) [Others](#) [Upload](#)

General 

Video Clips (MPEG)

Recording Over Specific time period

Mode ☐ Photo Shots (JPEG) ☒ Video Clips (MPEG)

Capture Mode




Recording at Movement (internal PIR, external devices) 


Image Size

640x480 (VGA) 

☒ Enable Overwrite when SD Card is Full

☐ Enable Covert Mode (LED Off)

 Submit Configuration

 Submit and Deploy

UNIQCAM® / MDC Dashboard

← → ↻ 🏠 ⓘ Not secure | www.camera-innovation.com/multimedias?page=27

Apps cPanel Login 📄 New Tab 📖 Hypnosis helps chr... 📧 Inbox (14) - unica...

myDetectionCamera 🏠 Dashboard ⚙️ Setup 👤 My Account **uniQcam** TECHNOLOGIES

Captures

Select Location: RSL Care-Sapphire Resort HERVEY BAY 2, Beachside, Test Location

Select Camera: MDC Test, MDC Test 2, Sekisui 8

Select Capture Type: image, video

Start Date: 00:00 End Date: 23:59 [Filter](#)

Select Action [GO](#)

All	Type	File Name	Location	Camera	Thumbnail	Size (bytes)	Created at	Action
<input type="checkbox"/>		/home/unicam/UC39120592/20190316_1/image-20190316-124445750-1-1-2-1.jpg	Aetos Location	AETOS Demo Falcon Pro White		87849	2019-03-16 12:45:54	View Download
<input type="checkbox"/>		/home/unicam/UC19120565/20190315_1/video-20190315-164141110-1-1.mp4	Ward Street Site	WARD ST CAM 12b		1384279	2019-03-15 16:42:43	Play Download
<input type="checkbox"/>		/home/unicam/UC19120565/UC19120565/heartbeat Heartbeat ->-	Ward Street Site	WARD ST CAM 12b	UNKNOWN	2	2019-03-15 16:37:09	Play Download
<input type="checkbox"/>		/home/unicam/UC3912589/20190315_2/video-20190315-135933810-1-1.mp4	RSL Care-Sapphire Resort HERVEY BAY 2	FALCON PRO-BRIDGE		698551	2019-03-15 14:01:26	Play Download
<input type="checkbox"/>		/home/unicam/UC3912589/20190315_1/video-20190315-11103220-1-1.mp4	RSL Care-Sapphire Resort HERVEY BAY 2	FALCON PRO-BRIDGE		708293	2019-03-15 11:12:39	Play Download
<input type="checkbox"/>		/home/unicam/UC39120595/20190315_1/video-20190315-104048350-1-1.mp4	Aetos Location	AETOS Demo Falcon Pro Black		1418883	2019-03-15 10:43:17	Play Download

Central Viewing

Remote Configuration & Update

Remote Monitoring of various Cameras in their Locations

UNIQCAM® / MDC Dashboard

The screenshot displays the UNIQCAM MDC Dashboard interface. At the top, a dark navigation bar contains the 'myDetectionCamera' logo, a home icon for 'Dashboard', a gear icon for 'Setup', and a user icon for 'My Account'. The UNIQCAM Technologies logo is positioned in the top right corner. The main content area is titled 'Camera #UC39120032 Configuration' with a breadcrumb trail 'Setup » Camera » Configuration'. Below the title is a horizontal menu with tabs: 'Capturing', 'Wireless Switching', 'GSM', 'WLAN', 'Email', 'FTP', 'Others', and 'Upload'. The 'Upload' tab is currently selected. Under this tab, there are two main sections. The first section, 'Upload XML', includes a text input field with the value 'C:\Users\mgrei\Desk', a 'Browse...' button, and an 'Upload' button. The second section, 'Upload Firmware', includes a button labeled 'Upload Firmware'. At the bottom of the configuration area, there are two large buttons: 'Submit Configuration' (green) and 'Submit and Deploy' (blue).

Remote Configuration of Cameras via Dashboard

UniQcam® / MDC

Dashboard:

All cameras at a certain location can be viewed on the Dashboard screen in almost real time.

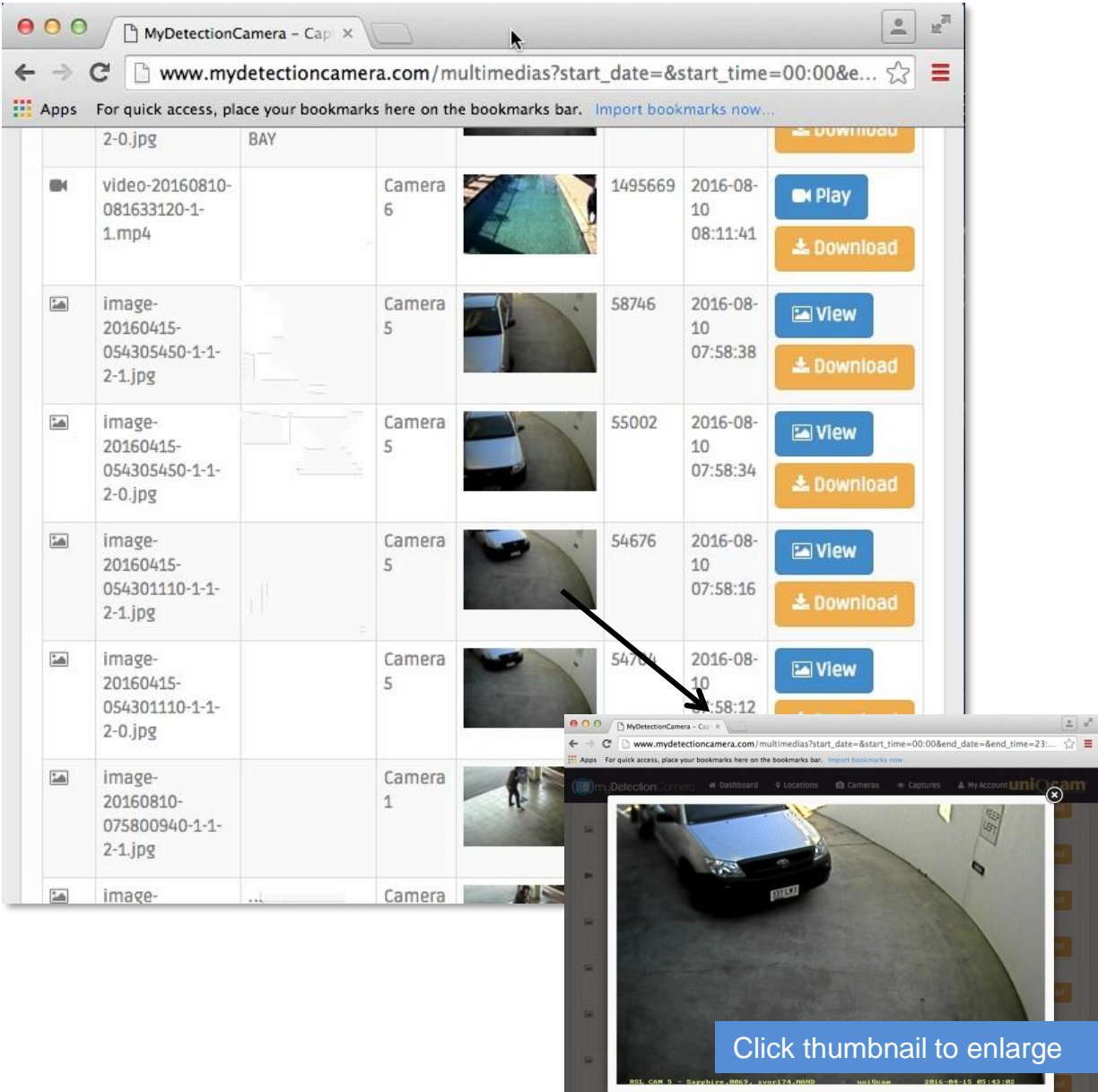
Example:

Camera 4 – Video clip (10Sec)
Location: Swimming Pool

Camera 5 – Photo Shot of a car
Location: Driveway

Camera 1 – Photo Shot of Foyer
Location: Building entrance

All the footage here is captured in “PIR Mode” but cameras could also operate in “Time Lapse Mode”.



UNIQCAM® User Interface Settings

UniQcam Settings

Capturing | Wireless switching | GSM | WLAN | Email | FTP | Others

General

☒ Enable FTP

FTP

Host: ftp.client.com Port: 21

User Name: UC390000

Password: *****

Folder: .

Remote Configuration

☒ Enabled


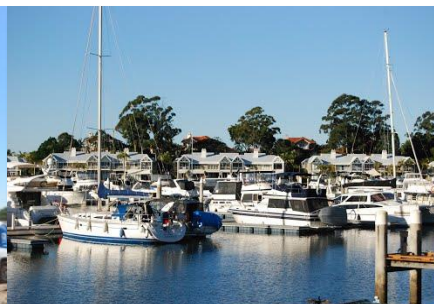


Polling Period (DD HH:MM) 0 01:00

Load Save Save as Close

Remote Configuration



UNIQCAM® Applications

			
Construction Sites	Marine	Council, Government & Police	Airports & Hotels
<p>The uniQcam® has been installed on building sites where in many cases there is no access to mains power, or where cameras needed to be frequently moved between locations.</p>	<p>The uniQcam® comes with a marine certified IP66 case. It's suitable for marine application (jetty, boats, ship yard) with it's wireless external devices and sensors – with easy installation no drilling or cables are required.</p>	<p>The uniQcam® can be applied to public areas for Government surveillance requirements – such as vandalism, fly tipping, hooliganism and terrorism.</p>	<p>Dead spot areas where network cameras are not installed or where established cameras should be monitored are ideal situations for the placement of a uniQcam®. Application such as baggage/cargo, areas and hotel storage rooms .</p>

UNIQCAM® Applications



Correctional Services

The uniQcam® can be used to support correctional services through monitoring non-patrolled areas. For drug trafficking control and other unlawful activities in the prison environment.

Farms & Remote Locations

Perfect for remote locations with the inclusion of the Solar Panel, the uniQcam® is ideal for farms and livestock monitoring. In addition, the IP66 case is fine dust proof which makes it particularly applicable to Mines and areas that are prone to explosion risk - Gas & Oil tanks & Traffic areas.

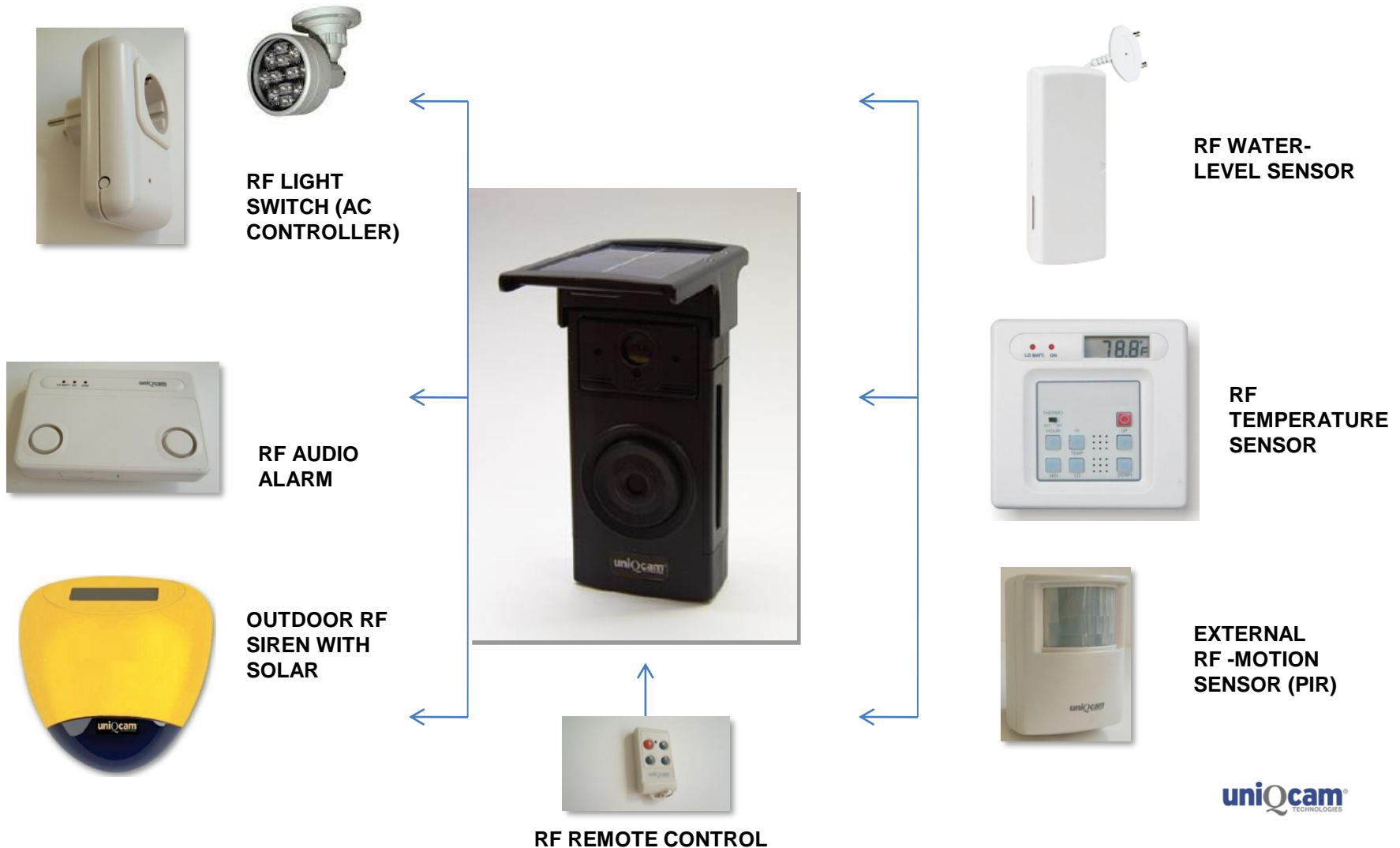
Retail & Warehouse

Surveillance of shops (dead spots), stores, warehouses, parking areas, money counting rooms, also watch over established network cameras in distribution centres.

Home

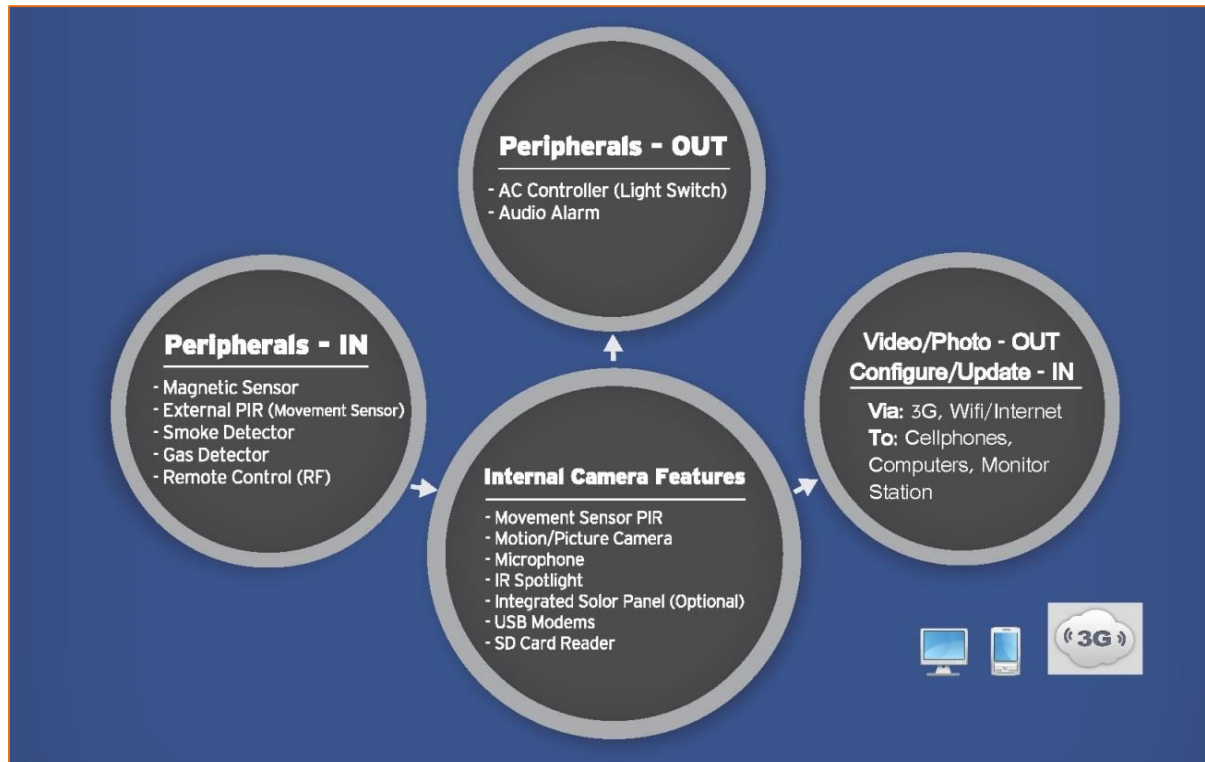
uniQcam® has been implemented in private households where the camera is used for Security, as an Alarm System and for multiple surveillance purposes (e.g. children's rooms, driveways, front and rear house entrance, garden areas etc.)

UNIQCAM® Wireless Switching – RX/TX

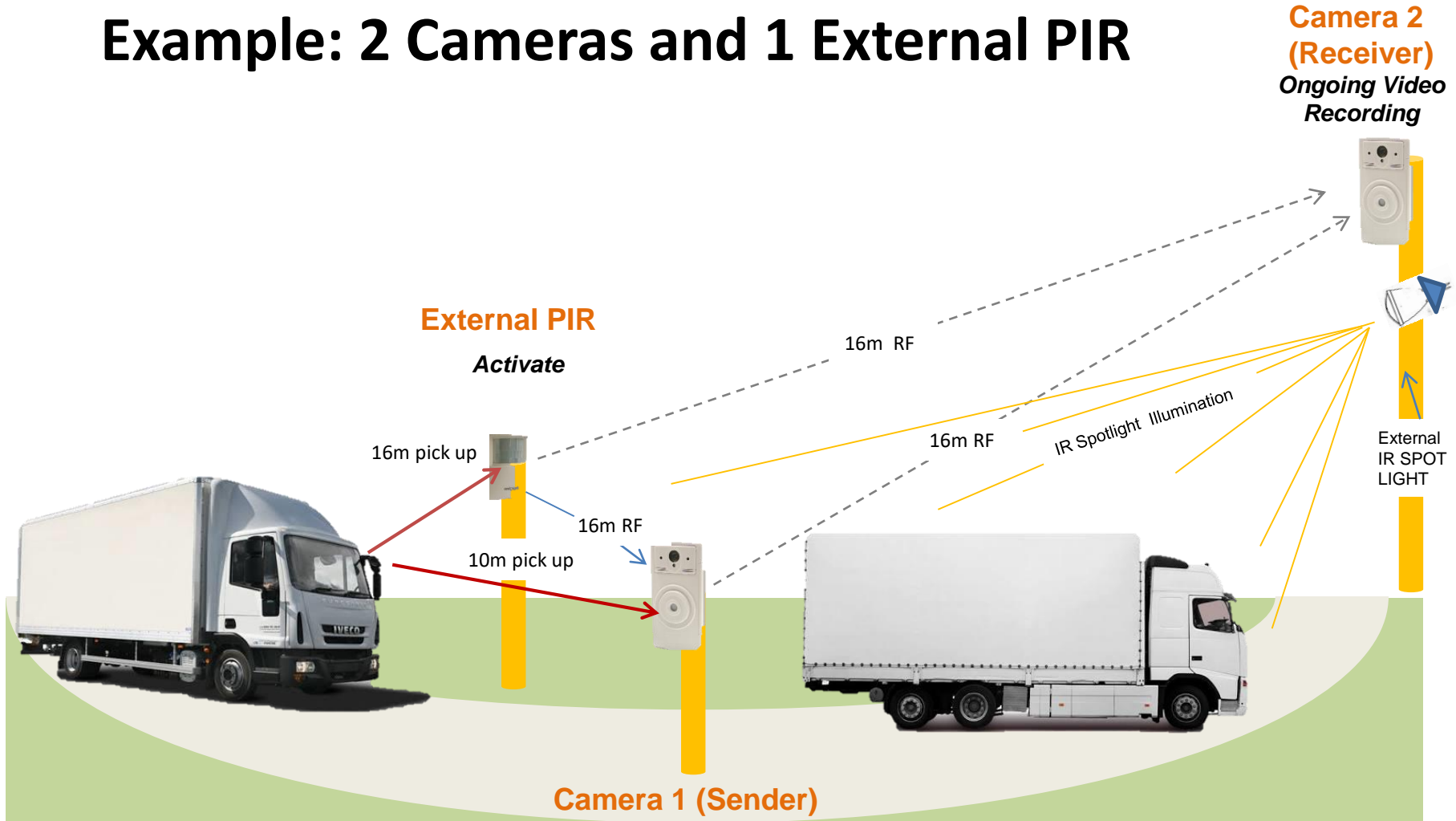


UNIQCAM® The Communication Centre

- The UNIQCAM® has an **integrated control centre** where UNIQCAM® external devices can be switched wirelessly in receiving and transmitting mode (Rx/Tx). E.g. UNIQCAM® Door Sensor (Peripheral IN) UNIQCAM® Alarm Panel or Light Switch (Peripheral OUT).



Example: 2 Cameras and 1 External PIR



Activate, Capture & Send to email or UNIQCAM / MDC Dashboard



3/4G

uniQcam
TECHNOLOGIES

UNIQCAM® Cameras

Version 1A

No RF Module/ Optional 3G



Model Variants:
 GUARD DOG
 (UC-C00-A-WA0-00)
 GUARD DOG-IR
 (UC-C90-A-WA0-00)
 OWL-IR
 (UC-M90-A-WA0-00)

Version 1B

No RF Module / 3G included



Model Variants:
 FALCON PRO
 (UC-C00-A-WA0-G0)
 FALCON PRO-IR
 (UC-C90-A-WA0-G0)
 OWL PRO-IR
 (UC-M90-A-WA0-G0)

Camera	RF Module	3G	SD Card	Software	Accessories	Remote Control	Manuals	Options Case: Cream or Black	Wifi Modem	Solar Hood	Options: Sensors/Devices
Version 1A	X	Option	✓	✓	✓	X	✓	✓	Option	Option	X
Version 1B	X	✓	✓	✓	✓	X	✓	✓	Option	Option	X

UNIQCAM® Cameras

Version 2

Complete with RF Module, 3G included



Model Variants:

FALCON PRO – CR
(UC-C00-CR-A-WA0-G0)
FALCON PRO-IR-CR
(UC-C90-CR-A-WA0-G0)
OWL PRO-IR-CR
(UC-M90-CR-A-WA0-G0)

Options:

- Case – Cream or Black / Solar Hood / Wifi Modem
- RF Peripherals: Audio Alarm, AC Controller (Light Switch), Door/Window Sensor, Water Level Sensor, Wristband Panic Button, Temperature Sensor, External PIR- outdoor (12m detection range), Outdoor Siren, Strobe with Solar panel, 4 button RF Remote Control (Arm, Disarm, Battery check, Photo-Shot/Panic Button).

Camera	RF Module	3G	SD Card	SoftWare	Accessories	Remote Control	Manuals	Options Case: Cream or Black	Wifi Modem	Solar Hood	Options: Sensors/Devices
Version 2	✓	✓	✓	✓	✓	✓	✓	✓	Option	Option	Option

UNIQCAM® Cameras + Solar Bundles

Version 1 or 2 + BASIC Solar Bundle

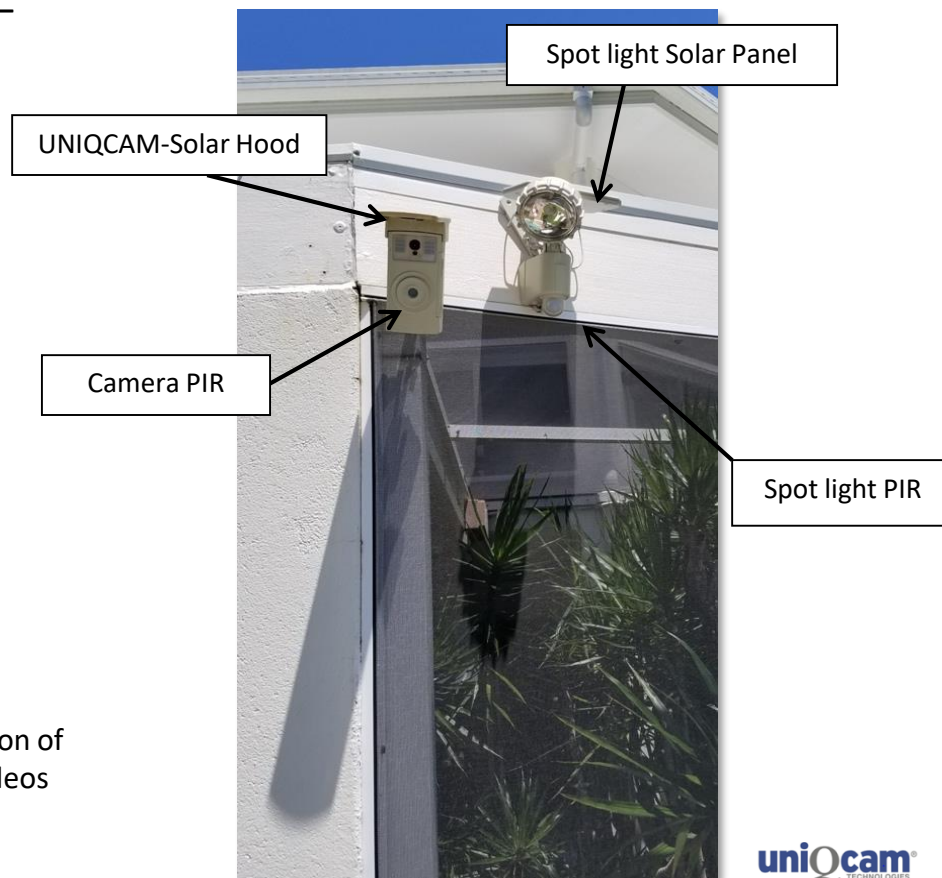
Bundle with external SOLAR Rechargeable Sensor Spotlight – UC-SPEX-SPI

- LED 500 Lumens
- 180 degree adjustable hinge
- PIR with 180 degree swivel
- Rear mount
- Lighting mode settings / day & night settings
- Solar panel with bracket
- 6V Li-Ion battery
- Recommended for high traffic areas

In combination with following cameras:
FALCON PRO – CR (UC-C00-CR-A-WA0-G0)
OWL PRO- CR (UC-M90-CR-A-WA0-G0)

Bundle is designed to be cost effective with easy setup – customers can use their own PIR Spotlight.

In summary, camera battery will last longer with the integration of our larger external Solar Panel. Meaning more photos and videos can be captured, stored and transmitted.

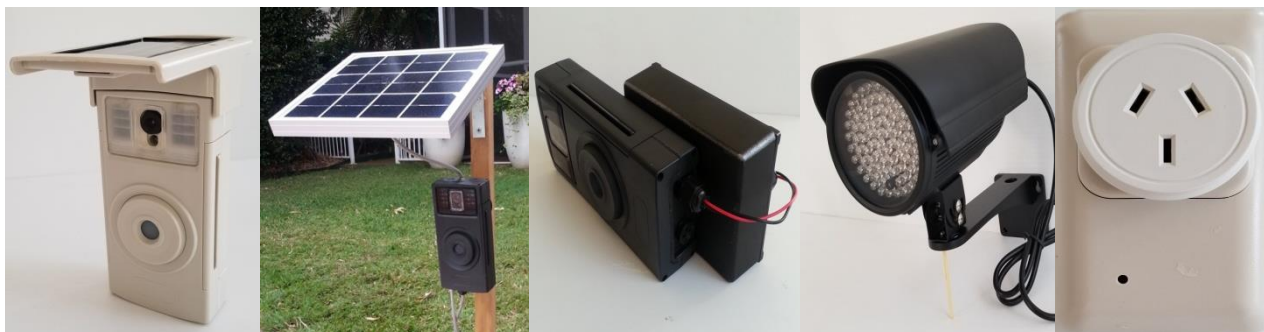


UNIQCAM® Cameras + Solar Bundles

Version 2 – Bundle B1

Camera with IR and RF- AC Controller (Light Switch) - 240V

Options/Additions:



1. Attached Solar Hood (UC-SOLA-W0S) - 0.7W

2. External Solar Panel (UC-SOEX-6V7) – 7.5 W

3. External Li-Ion Pack (UC-BPEX-12A) – 12A/h

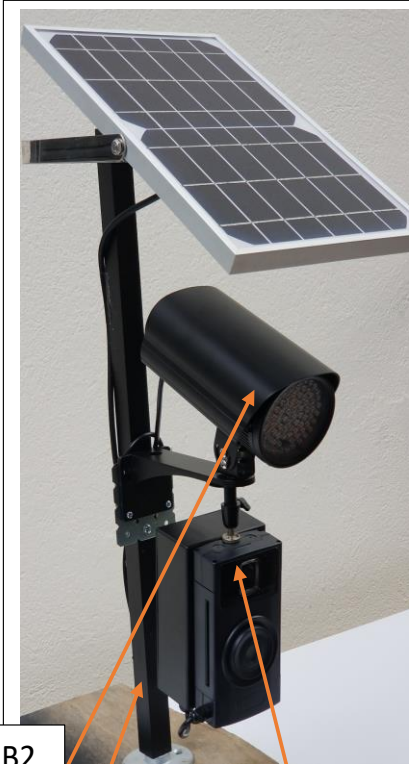
4. External IR light 12V DC (UC-VIRO-170) - 104 diodes

5. AC Controller (RF) for ext. IR Spot (240 V) - 40m RF range

Available on Model Variants:

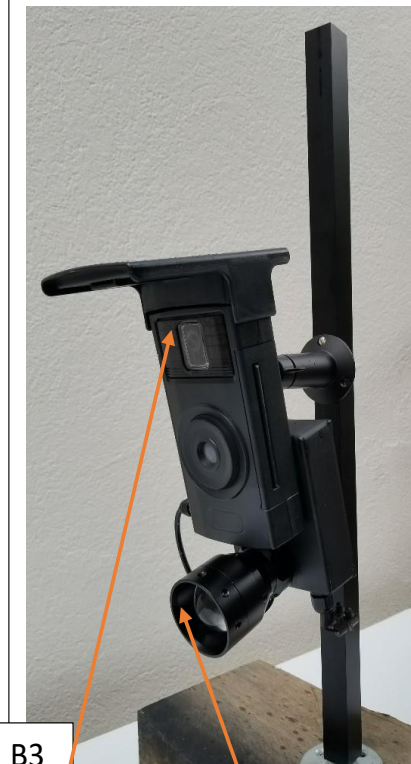
FALCON PRO-IR-CR
(UC-C90-CR-A-WA0-G0)

OWL PRO-IR-CR
(UC-M90-CR-A-WA0-G0)

**B2**

Ext IR Spotlight [35m]
 . Piggyback Camera Unit with
 . internal IR Spot

B2- Camera-Bundle
 w/o Solar Panel- 1.7kg

**B3**

Internal IR Spot –
 . Additional IR [25m]
 . IR-narrow/wide angle

B3- Camera-Bundle w/o Solar
 Panel- 1.0kg

UNIQCAM new VERSION 2 -B2/B3-

--Advanced Solar Bundle--

- with FALCON PRO-IR or OWL PRO-IR –
- **B2:** with piggyback including 12V -Li-Ion Battery-Pack and 10 A Solar Controller. Optional Solar Panels - 5,10,20 W. Attached and connected IR Spotlight with 35m illumination range
- **B3:** All in one Camera, Battery IR with Solar Bundle. Li-Ion Battery-Pack, 3A Solar Controller and integrated additional IR Spotlight, 25m range. Optional Solar Panels 5,10,20 W
- Brackets, Cables, Manuals etc.

APPLICATION	VERSION REFERENCE	Guard- Dog	Falcon- Pro	Falcon- Pro-IR	Owl- Pro-IR	3G-	WIFI-	RF-	Solar- Hood	Solar extern	add Batt, Solar Spotlight, AC Contr
① carry camera on world travel, holiday home, watch your property, etc.	Ver: A1 Page ①	✓	✓	✓	✓	(v)	(v) pers. hot- spot				
② surveillance - Intruder in remote areas, occasional events	Ver: A1/2 Page ① ②		✓	✓	✓	✓	(v)	(v)	✓	(v) if requ.	(v) ext.Spot- Light if requ.
③ surveillance - Traffic remote areas, more events	Ver: A 2 Page ① ②		✓	✓	✓	✓		✓		✓	(v) piggy back Batt. , if requ.
④ surveillance with Night Vision - of larger areas wireless AC Contr.requires 240 V, or inverter to 12VDC	Ver: B1 Page ③			✓	✓	✓	(v)	✓		✓	(v) does not require add piggy back Batt with AC contr ✓
⑤ surveillance with Night Vision - for large areas fully batter/solar operated	Ver: B2, B3 Page ④			✓	✓	✓	(v)	✓	(v)	✓	Complete CAM,Battery,Solar & IR Spotlight-Bundle

NOTES: (v) = optional -- above are recommendations; other combinations can be arranged.