

"To develop a cost-effective, fast-to-deploy, low-power and flexible video surveillance system that automatically combines images from multiple cameras to create a 180° panoramic view."

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Fact Sheet

Project Information

CHAMELEON

Grant agreement ID: 286510

Project closed

Start date

1 January 2012

End date

31 December 2013

Funded under

Specific Programme "Capacities": Research for the benefit of SMEs

Total cost

€ 1 199 194,48

EU contribution

€ 785 893,00

Coordinated by

ATEKNEA SOLUTIONS MALTA
LIMITED

 Malta

Objective

"The main aim of the CHAMELEON project is to develop a cost-effective, fast-to-deploy, low-power and flexible video surveillance system that automatically combines

images from multiple cameras with overlapping regions to create a natural seamless panoramic view of the monitored area.

CHAMELEON will be a flexible CCTV system allowing for fast and cost-effective deployment. In cases where a wired solution would be feasible, CHAMELEON will interface with the Internet network using the Ethernet communication protocol. In scenarios like remote surveillance, CHAMELEON will use a low-power and secure 5GHz Wireless LAN IEEE 802.11a connection to transmit real-time video signals to the monitoring station. CHAMELEON will implement two layers of security protocols – Data encryption after encoding and authentication at the network layer. CHAMELEON will use a very low power and light-weight video compression algorithm with low bit rates. This will make it possible for the system to be battery operated for a longer time, making it ideal for Temporary Monitoring. CHAMELEON is ideal for Temporary Monitoring since it can be connected to a wireless link, can be battery operated, fast-to-deploy and is able to quickly and automatically configure a network. CHAMELEON will improve the quality of CCTV video display by combining images from multiple cameras with overlapping regions to create a natural seamless panoramic view of the monitored area. CHAMELEON can be used to feed existing Intelligent Video Surveillance systems with wider-view (panoramic) video, therefore increasing their efficiency and detection rate."

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [internet](#)

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [electronic engineering](#) > [sensors](#) > [optical sensors](#)



Programme(s)

[FP7-SME - Specific Programme "Capacities": Research for the benefit of SMEs](#)

Topic(s)

[SME-2011-1 - Research for SMEs](#)

Call for proposal

FP7-SME-2011

[See other projects for this call](#)

Funding Scheme

[BSG-SME - Research for SMEs](#)

Coordinator



ATEKNEA SOLUTIONS MALTA LIMITED

EU contribution

€ 36 307,27

Total cost

No data

Address

**COBALT COURT APT 3 TRIQ HAL DWIN
ZBG 3061 ZEBBUG**

 **Malta** 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (9)



EOINTEC SOLUTIONS LIMITED

 **Ireland**

EU contribution

€ 160 394,81

Address

**CHURCH ROAD PADUA HOUSE
BUNDORAN** 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



EMBEDDED WIRELESS GMBH

 Germany

EU contribution

€ 159 266,39

Address

SOEFLINGER STRASSE 100

89077 ULM 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



INSTANT COMMUNICATIONS LIMITED

 Ireland

EU contribution

€ 121 555,02

Address

PLATO BUSINESS PARK UNIT 7 A DAMASTOWN INDUSTRIAL ESTATE MULHUDDART

15 Dublin 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost
No data



SEEKTRON SRL

Romania
EU contribution
No data

Address
**SOSEAUA VESTULUI 33 CAMERA 2 ETAJ P
100486 PLOIESTI PRAHOVA**

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost
No data



PROMELIT SPA

Italy
EU contribution
No data

Address
**VIA MODIGLIANI 20
20092 CINISELLO BALSAMO**

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)

[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



SIGNALGENERIX LIMITED

Cyprus
EU contribution
€ 21 210,00

Address
GRIGORI AFXENTIOU 23C MESA GEITONIA
4003 Limassol

Region
Κύπρος > Κύπρος > Κύπρος

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



TECHNISCHE HOCHSCHULE ULM

Germany
EU contribution
€ 12 724,00

Address
PRITTWITZSTRASSE 10
89075 Ulm

Region
Baden-Württemberg > Tübingen > Ulm, Stadtkreis

Activity type
Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



EUROALARM SPOL SRO

Czechia

EU contribution

€ 130 215,70

Address

Drazovice 275
68301 ROUSINOV



Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



SIQR

Italy

EU contribution

€ 144 219,81

Address

Via Figini 16
20835 Muggio'



Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

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Permalink: <https://cordis.europa.eu/project/id/286510>

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