



SIEMENS

Building Technologies

Fixed Dome Cameras:
A new range of discreet
cameras for unobtrusive,
around-the-clock surveillance.



Fixed camera surveillance for a wide range of applications

Siemens, one of the largest and most successful electronics companies in the world, has established a worldwide reputation for pioneering innovation.

For over 150 years, we have been supplying products and systems that have led the way in the fields of electronic communications and electrical engineering.

We have been particularly successful in the commercial implementation of our ideas and technologies and, in doing so have helped to improve the lives of people around the world.

We hope that by passing on our expertise and experience to customers that not only we will help make them commercially more secure and therefore more successful, but also that the products and systems we supply will contribute to making the world a more practical and safer place.

During the manufacturing processes, we insist on the highest standards, producing only products and systems of outstanding performance, durability and reliability and, above all - exceptional build quality.

We are currently drawing on our many years' experience in innovation and applying these same demanding standards to the production of an all-embracing range of surveillance systems for the CCTV security market.

This Siemens' range now includes a comprehensive choice of fixed dome cameras offering some outstanding features and the option for true 24 hour surveillance.



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Range of CCTV applications - inside and out.

The new, attractive range of simple, stylish dome cameras comprises of 10 different models - 4 monofocal fixed domes, 3 fixed domes with varifocal lens and 3 vandal-resistant fixed domes with varifocal lens.

Far less noticeable than standard cameras, the new range is intended for use wherever discreet, unobtrusive surveillance is needed, such as retail stores, shopping malls and restaurants, as well as the cash desks, receptions and foyers of hotels, offices, petrol stations and other commercial premises.

There is a day-night model that offers not only quality images but also genuine 24-hour viewing when used with an infrared lighting system. It does so by switching automatically from daytime colour to monochrome viewing through an infrared cut filter as the available light fades.

The vandal-resistant models are enclosed in a die-cast, heavy-duty aluminium body, have a high-impact polycarbonate dome and will withstand a 1000kg blow - accidental or deliberate.

So, whatever the application - with six different modes of backlight compensation, larger aperture lenses and colour models that have wider fields of vision - there is a Siemens dome camera that can meet the requirements of any application, inside or out.

Indoor applications can be covered by either the monofocal and the varifocal models, dependent on the size of the site involved (the monofocal fixed dome models being best suited to only the smaller sites).

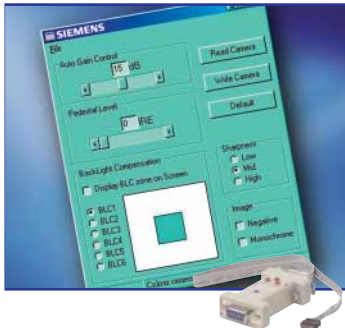
The varifocal cameras are designed for interior use, wherever more flexible viewing arrangements are required - usually on medium-to-large installations - where the Siemens' auto-iris lens (focal length of 2.8 to 5.8mm) gives a broader range of viewing choices.

Outdoor applications - such as railway stations, airports, car parks and the areas around commercial buildings - are served by the IP66 rated vandal-resistant models which are designed for external use in exposed weather conditions.

Because of the increased risk of wanton attack in these locations where the isolation of the cameras make them a more likely target, these models are built with much greater resistance to damage thanks to their heavy-duty, die-cast, aluminium enclosure and high-impact polycarbonate bubble.



A comprehensive range with some truly and the possibility of real 24 hour surveillance



Remote setup for all day-night and colour models



Local monitor setup cable included as standard

Monofocal, fixed dome cameras

The Siemens' Fixed Dome range includes four simple, stylish internal monofocal models all 1/3" CCD with a 3.7mm lens. Variables include a choice of standard or high resolution and monochrome or colour imaging.

These monofocal, fixed dome cameras are best suited to smaller CCTV installations in locations such as:

- smaller shops, stores and offices
- schools
- hotels
- restaurants
- petrol stations etc.

They are all attractive, ceiling-mounted cameras with clear bubbles and include a service monitor connector and cable for connection to a portable monitor, ensuring a quick setup and easy installation. Both colour models have an RS232 port to connect to a PC, to allow easy remote setup.

Accessories include tinted bubbles, replacement clear bubbles, remote setup software, plus 2.9mm, 6mm and 12mm lenses interchangeable with the original 3.7mm lens supplied as standard.



Day-night model automatically changes from colour pictures by day, to monochrome images at night – true 24 hour surveillance!

Varifocal, fixed dome cameras

In addition to the monofocal domes, the internal range also includes three simple, stylish varifocal models all 1/4" CCD with a 2.8 - 5.8mm, auto-iris lens. Variables include a choice of high resolution monochrome or colour imaging as well as day-night, IR-sensitive operation (the CFVS1415-LP has a mechanical infra-red cut filter which ensures perfect colour reproduction performance during the day and when used with an infra-red illuminator, as lighting levels fall - will switch automatically to monochrome at night to give crisp, sharp images 24 hours a day).

These varifocal, fixed dome cameras are best suited to larger, indoor CCTV installations in locations such as:

- larger shops, stores and offices
- flexible viewing installations
- shopping centres etc.

They are all attractive, cameras with tinted bubbles which can be ceiling-mounted or wall-mounted for 360° setup (pan, tilt and rotate) and include service monitor connection and cable for local, easy installation.

Both the colour and day-night models have an RS232 port to connect to a PC, for remotely setting up various parameters and downloading/uploading these. Accessories include clear bubbles, replacement tinted bubbles and remote setup software.

outstanding features - alliance.

Vandal-resistant, varifocal, fixed dome cameras IP66

To complete the range, allowing both internal and external installations, are three simple, stylish, vandal-resistant varifocal models all with an auto-iris lens and rated IP66 in 1000kg high impact, polycarbonate bubble and heavy-duty, die-cast, aluminium enclosure.

They are specifically designed to withstand the type of physical assault and random vandalism encountered in public areas - both outdoor and indoor.

Variables include a choice of monochrome or colour imaging as well as day-night, IR-sensitive operation (the CFVS1415-LP has a mechanical infra-red cut filter which ensures perfect colour reproduction performance during the day and when used with an infra-red illuminator, as lighting levels fall - will switch automatically to monochrome at night to give crisp, sharp images 24 hours a day.)

These rugged, vandal-resistant varifocal, fixed dome cameras are best suited to CCTV installations indoors or outside - wherever the possibility of wilful or malicious damage may occur - such as:

- railway, bus and coach stations
- airports, docks and ferry terminals
- leisure centres, sports grounds and concert venues
- shopping centres and cinema car parks
- banking halls and inside ATM kiosks
- on the outside of offices, public buildings etc.

They are all attractive high resolution cameras with tinted bubbles which can be ceiling-mounted or wall-mounted for 360° setup (pan, tilt and rotate) and include service monitor connection and cable for local, easy installation. Flexible mounting options include flush ceiling mount or the use of a wall-mount bracket to keep the dome horizontal.

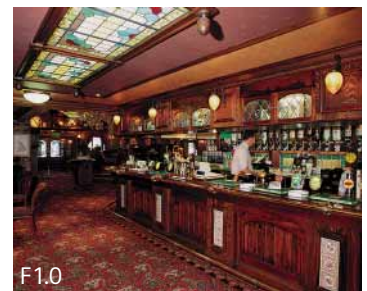
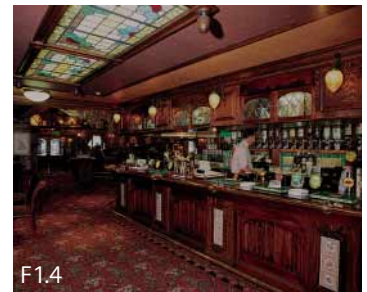
Also included as standard is an RS232 cable with remote setup software for use with the colour and day-night models. The software allows easy programming, then uploading of these settings to the camera, or reading settings from the camera and saving them to the PC.

Accessories include clear bubbles and replacement tinted bubbles.

Both the colour and mono vandal resistant models include an aspherical F1.0 lens, which receives twice the amount of light than standard F1.4 aperture lenses, producing much clearer images in low light situations. This lens also has a 91° viewing angle, so the domes can be mounted in the corner of a room and see everything.



1000 kg impact resistant and IP66 protection rating

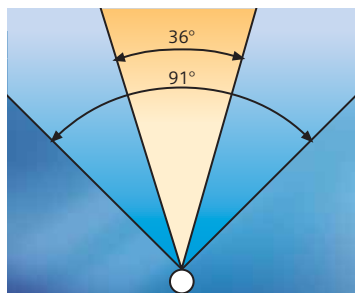


F1.0 offers twice the amount of light available than F1.4, available on both colour and mono vandal resistant models

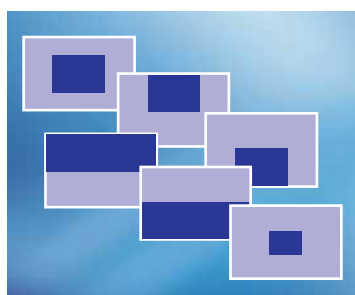


Vandal resistant camera monitoring a security entrance, together with a Siemens outdoor PIR

Features:





Greater viewing angle for colour and mono models













Software allows programming of six different modes of backlight compensation

- Sharp, clear images in monochrome, colour or day-night
- Standard or high resolution image quality
- Choice of monofocal or varifocal lens
- Easy mounting and installation
- Operate on 12 VDC or 24 VAC current
- Programmable with 6 different zones of backlight compensation
- Advanced signal processing ensures poorly lit subjects can be seen clearly
- Appropriate colour balance - even in varying light conditions
- Mechanical infra-red cut filter on day-night models ensure clear, sharp images 24 hours per day.
- Remote software setup for all day-night and colour models
- Full 360° setup for pan, tilt and rotation of camera
- Vandal resistant models offer 1000kg impact resistance and IP66 protection rating
- Vandal resistant colour and mono models have 91° viewing angle and have an aspherical F1.0 lens - to receive twice the amount of light acceptable by standard F1.4 aperture lenses

Accessory compatibility table

	CFFA-TD	CFFA-CD	CFFA-IC29	CFFA-IC37	CFFA-IC60	CFFA-IC12	CFFA-RS	CVVA-FMK	CVVA-CD	CVVA-WB
										
	Tinted bubble	Clear bubble	2.9 mm lens	3.7 mm lens	6.0 mm lens	12 mm lens	Remote setup kit	Flush mount kit	Clear bubble (vandal)	Wall mount bracket
Internal Monofocal										
CFFB1310-LC	•	•	•	•	•	•				
CFFB1315-LC	•	•	•	•	•	•				
CFFC1310-LP	•	•	•	•	•	•	•			
CFFC1315-LP	•	•	•	•	•	•	•			
Internal Varifocal										
CFVB1415-LC	•	•								
CFVC1415-LP	•	•					•			
CFVS1415-LP	•	•					delivered with product			
External Varifocal										
CVVB1315-LC								•	•	•
CVVC1315-LP							delivered with product	•	•	•
CVVS1415-LP							delivered with product	•	•	•

	Vandal resistant varifocal fixed domes			Varifocal fixed domes		
	CVVS1415-LP	CVVC1315-LP	CVVB1315-LC	CFVS1415-LP	CFVC1415-LP	CFVB1415-LC
						
	Day-Night	Colour	Mono	Day-Night	Colour	Mono
CCD size	1/4"	1/3"	1/3"	1/4"	1/4"	1/4"
TV lines	480	480	580	480	480	580
Resolution	High	High	High	High	High	High
Auto-iris lens type	2.8 ~ 5.8 mm	3 ~ 8 mm	3 ~ 8 mm	2.8 ~ 5.8 mm	2.8 ~ 5.8 mm	2.8 ~ 5.8 mm
Horizontal angle of view	35.9 ~ 74.7°	36 ~ 91°	36 ~ 91°	35.9 ~ 74.7°	38.2 ~ 76.7°	38.2 ~ 76.7°
Min. illumination (at 50IRE)	0.34 Lux (F1.4)	0.47 Lux (F1.0)	0.05 Lux (F1.0)	0.34 Lux (F1.4)	0.6 Lux (F1.4)	0.2 Lux (F1.4)
Dual power 12Vdc / 24Vac	•	•	•	•	•	•
S/N-ratio	> 50dB	> 50dB	> 50dB	> 50dB	> 50dB	> 50dB
Backlight compensation (BLC)	•	•	•	•	•	•
Colour / mono switchover	•			•		
Infrared cut filter	mechanical			mechanical		
Automatic gain control (AGC)	•	•	•	•	•	•
Electronic shutter	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s
Phase locking synchronisation	•	•	•	•	•	•
Remote programming	•	•		•	•	
RS232 interface	•	•		•	•	
Local service monitor connector	•	•	•	•	•	•
Wall or ceiling mount	•	•	•	•	•	•
Vandal protection rating	IP66, 1000 kg	IP66, 1000 kg	IP66, 1000 kg			

	Monofocal fixed domes			
	CFFC1315-LP	CFFC1310-LP	CFFB1315-LC	CFFB1310-LC
				
	Colour	Colour	Mono	Mono
CCD size	1/3"	1/3"	1/3"	1/3"
TV lines	480	330	580	400
Resolution	High	Standard	High	Standard
Manual iris lens type	3.7 mm	3.7 mm	3.7 mm	3.7 mm
Horizontal angle of view	70°	70°	70°	70°
Min. illumination (at 50IRE)	0.56 Lux (F2.0)	0.31 Lux (F2.0)	0.2 Lux (F2.0)	0.13 Lux (F2.0)
Dual power 12Vdc / 24Vac	•	•	•	•
S/N-ratio	> 50dB	> 50dB	> 50dB	> 50dB
Backlight compensation (BLC)	•	•	•	•
Electronic shutter	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s	auto / 1/50 ~ 1/100K s
Phase locking synchronisation	•	•	•	•
Automatic gain control (AGC)	•	•	•	•
Remote programming	•	•		
RS232 interface	•	•		
Local service monitor connector	•	•	•	•
Wall or ceiling mount	•	•	•	•

Vandal resistant models mounting options



Ceiling or wall mount as standard



Flush mount kit

Wall mount bracket

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The information in this document contains general description of the technical options available, which do not always have to be present in the individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.