



Features of Pericam perimeter protection and security system

- * Camera based system with fully automatic detection of anyone passing the protected zone.
- * 24 hour operation in day and night and excellent functions in very bad visibility
- * Unique illuminated border line marker with typical 25 years operating life.
- * Far better performance than normal CCTV solutions combined with lower installation costs
- * All events are logged and distributed to alarm central, mobiles and Internet compatibility.
- * Fail safe design and highly redundant to attacks.

Pericam Perimeter Protection System

Pericam is an unique concept in how to make a reliable and cost efficient protection of fences and border lines. This is an unique concept reducing many problems with today's technology.

Pericam is a high quality camera with video motion detection combined with rope like border marker based on LED lamps. The LED rope is positioned close to the border line and when active it give an illuminated line appearance marking where the border area is located. This type of LED rope have a typical life time of 100 000 hours equal to 12-25 years life time in most applications.

The camera look at LED rope which gives a very clear image in the camera. As the light strong enough it illuminated the area close to the rope at nights and generate enough light for a normal good camera even in the darkest nights.

The camera is installed to anyone passing the LED rope will block some light sources of the rope and this gives a very strong video interruption at these pixels. The video motion detection will have a far better function with this light rope illumination. The camera can also be a normal camera and no high cost night vision system.

As this is a back ground application the range in bad weather and fog will be far better. In most applications it can be increased by factor 2-3 compared to normal CCTV camera systems

Many of our products are protected by patents and patent applications

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Technical specifications Pericam solution

Camera unit	Ultradynamic 200 Nivis camera
Camera	CCD camera colour type
Resolution	500-600 TV lines or at least 400 KPix
Sensitivity	0,5 Lux in colour mode and 0.05 Lux in BW mode
Dynamic range	Typical 52 DB high dynamic operation
Field of view	Typical 70 degree Horizontal with standard optics
Range with LED cable	Typical 200 meter in no ambient illumination and line of sight
Output	PAL with video amplification for 1600 meter length twisted pair cable
Operating voltage	230 Volt AC Max power 25W
Encapsulation	IP54 or better



LED cable unit	Perilamp 400 Led cable illuminator
Length	200 meter with connection at centre
Light source	LED lamps
Colour	Red LED light standard. Options white and yellow
Spacing	25 mm along the rope. Options 5-20 mm spacing
Lifetime	Typical 100 000 hours at 20 degree C
Encapsulation	IP 65 in PVC plastic with about 25 years out door life time expectation
Operating voltage	230 Volt AC
Power consumption	Typical 1W per meter



Central unit	Pericam PC16	PC system with 19 Inch flat TFT screen of office style
OS	Windows with application software for motion control and alarms	
Max cameras	16 cameras for each unit through back side connector	
Alarm functions	Buzzer + SMS by mobile phone + Internet web based interface	
Back up	Battery back up for 30 minutes operation with no AC main voltage CD back up with capability to burn own CD/DVD.	

Options

Battery back up system if main voltage is down
 Cable watching system telling if cables are cutted off
 Cable alarm system where the cable act as a capacitive sensor and create an alarm when touched