

Revision

1

REMOTE CCTV MONITORING FROM I-CUBE

Wooden Spoons Catering

Att: Bradley Allan

Tel/Fax: 033 386 7948

Cell: 083 651 5787

E-mail: wccatering@telkomsa.net



INTEGRATED • INTELLIGENT • IMAGING

I-CUBE

Table of Contents

- ABSTRACT 2
- INTRODUCTION 3
- WHY I-CUBE 3
- CCTV SYSTEM 4
- CAMERAS LOCATIONS 5
- FINANCIAL OPTIONS 7
- ADDITIONAL INFORMATION 7
 - A new look at security 7
 - Cost-effective, digital technology 8
 - Reliable systems 8
 - Tried and tested 8
 - Customer Responsibilities 11
- Definitions, acronyms and abbreviations 12
- 2 CAMERA IP BASED CCTV SOLUTION 13

ABSTRACT

The ability to protect your property, staff, equipment, stock, customers and visitors requires a clear understanding of the threats facing the property. South African places of business have, unfortunately, become soft targets for crime. As many places of business increase their investment in capital equipment, the 'pickings' have been identified as lucrative and the incidences of break-ins and theft are on the increase. Where ever people gather the risk of an unpleasant event occurring is increased.

Business crimes tend to range from the petty, like vandalism and break-ins, to large-scale robbery resulting in the theft of expensive audio video or other equipment. More worrying, the threat of bodily harm or damage / theft of stock is also on the increase. Very often, security is not receiving the attention, planning or expenditure it deserves. Decisions are often taken to opt for the cheapest solution, very frequently to the detriment of the business.

The frustration comes in balancing the need for increased security with static or in many cases, shrinking budgets. To develop an effective security program, the needs of each site or type of site must be evaluated to determine the most effective policies, procedures and systems to provide the desired level of security.

An effective business security program is comprised of many elements. Only when these components are properly assembled does the program provide the needed security. The failure to approach security in a systematic manner results in potential gaps in protection and the ineffective deployment of resources. The role of CCTV in a trade context has potential to fulfil roles in acting as a deterrent, proactive detection, collection of evidence, and overall monitoring function.

Reasons to choose I-CUBE network video include:

- Remote access to video from any number of remote locations to protect staff and building
- Use any existing network infrastructure and equipment for low start-up and operating costs
- Flexible and scalable solutions based on open standards — that meet your specific needs
- Proven future-proof technology — securing your investment

CCTV can play an invaluable role for business security and safety at all hours, but costs may make any decision maker fall back on traditional security measures. However, at least some kind of CCTV should be incorporated into the access points as a minimum. Outside business hours, the same surveillance system can be used to remotely monitor the property and deter vandalism. A sophisticated, built-in motion detection system can generate an alarm, which automatically records and could even transmit images to your managers or security operators giving them accurate, up-to-the-minute information upon which to base their decisions.

The solution is provided as a rental per month per camera, including install, equipment and training. A monthly rental of R850.00 per camera (ex VAT), with no long-term contracts or up front amounts required

INTRODUCTION

The following document is not exhaustive or claims to provide a comprehensive overview of your requirement. However a number of different possible solutions are explored, allowing a possible alignment of available resources, a low level of opposition and a high support base and a clear understanding of the benefits and limitations of the proposed solution.

WHY I-CUBE

I-Cube understands that business security must address potential risks, but also be fiscally sound. Delivering recommendations for improved security accomplishes little if we cannot find creative ways to fund the program. Because of our experience, our approach is unique.

The services we provide encompass both the evaluation of existing programs and the design of new security solutions. Among the ways we can help include:

Conducting Security Assessments

To determine the strengths of an existing security program, and find the opportunity for enhancements, the security program in place must be assessed. Once potential risks have been identified, appropriate countermeasures can be implemented.

The security assessment provides an independent review of security policies, procedures, personnel, security hardware, electronic systems, emergency/crisis readiness, training, emergency communications systems, and of the many program facets required to keep the building, staff, visitors and worshipers safe. The key to effective security is an approach, which balances all the elements.

During an assessment, both short and long-term security goals will be identified to ensure that the existing security program and the recommendations made support growth and other factors that may impact the program both now, and in the future.

Evaluation of Existing Policies and Procedures

An important aspect of a security program is the written policies and procedures. Having and following written policies ensures the uniform application of your security plan. We can review existing policies and provide recommendations based on best practices, the policies and procedures proven to effective in other environments.

Having written policies and procedures that are followed not only ensure that the security plan is being carried out, but also aids in preparing for the time when an incident does occur on a site.

Assessment of Existing Security Force Deployment

Security personnel are an important part of an effective security program. Either as part of the security assessment or as another assignment, we can assess the current level and type of security personnel and/or access control personnel. Part of the review would be deployment and training.

Since personnel allow immediate reaction and can take proactive steps, effective deployment of personnel based on risk and other factors could result in improved security.

Evaluation of Security-related Training

For businesses with few on site security personnel, training of any volunteer personnel is an important element. Without on-going, documented training a business can be uncertain of what to do if an incident occurs.

We can review existing security-related training. If needed, I-Cube can develop and conduct training programs or conduct a Train-the-Trainer program so that business personnel can deliver training.

Design of Emergency Response Plans

I-Cube can assist in the development of policies and procedures to address response to natural and man-made disasters and also incidents posing harm to anyone present.

We can review existing plans and conduct exercises of the plans to ensure they continue to meet the changing requirements.



Design of Integrated Electronic Systems

Most business sites have some form of electronic security systems. Often these systems are burglar alarms or panic buttons that protect strategic areas. As part of a security assessment we will review the use of electronic systems to ensure that the systems are providing the needed protection in a cost-efficient manner.

Alarm systems, closed circuit television systems, access control, and other systems are but one part of a well-rounded security program. We will assess the current and potential use of electronics as part of the overall plan, not as the total solution.

In our work with a wide range of clients throughout Africa we have been very effective at reducing the cost of electronic security while at the same time gaining more complete protection.

CCTV SYSTEM

Businesses import the social issues from the communities in which they are located, and things like vandalism and theft or theft from motor vehicles appear to make no distinction between rich and poor areas, with the problem being seen as critical across South Africa. However, any decent organisation would stand for the right of all to work in a supportive and threat free environment. Management of businesses bear a primary responsibility for ensuring this. It has been repeatedly shown that even in difficult communities, effective management by staff of access control and monitoring using CCTV has had major positive effects on the environment within and around the facilities.

Why CCTV?

Effective surveillance needs operators who know the conditions, people, culture and day-today dynamics, and most importantly, know what they are looking for. This means that management needs a clear idea of why they want CCTV, what they want it for and the risk profile being addressed. CCTV forms part of the security solution and while it can



complement and enhance physical measures, access control, or response functions, it cannot replace them. Operators also need to be thoroughly trained in the risk areas, what to look for, and how to recognise when problems occur. The closer the surveillance operation is to the point of monitoring the better, with an on-site surveillance solution with close liaison with physical security personnel being the preferred option for monitoring.

While remote monitoring is an option, it is unlikely to be as effective as onsite monitoring. After hours monitoring on the other hand can be shifted off site with remote surveillance more readily, as this effectively becomes a general monitoring and alarm function, particularly where linked to the current security systems.

Managers have a broad range of issues that they need to be aware of. The border between the place of business and the outside world, typically at the entrance or exit gate, produces a range of potential incidents as sometimes the two worlds collide. The movement of the public within the area needs to be monitored, with thieves taking advantage of regular events and the concentration of people to commit crimes, while the premises and the vehicles and belongings of those workers also need to be protected.

Protection of premises after hours is a major issue, and it appears that the potential for vandalism and break-ins is highest during this time. Events can therefore range from theft, assault, sexual harassment, abduction, antisocial activities, and damage to property, and loitering with intent. CCTV solutions will record and allow immediate response.

Count the costs

CCTV can play an invaluable role for security and safety at all hours, but costs may make decision makers fall back on traditional security measures. However, at least some kind of CCTV should be incorporated into the access points as a minimum. Some clients may have vandalism and damage to property after hours as their major concern and where this is the case, remote surveillance, possibly with some kind of remote public announcement facilities on the grounds may be appropriate. In all of these scenarios, management needs to be closely involved in the design, operation, and reaction and investigation functions. Management also needs to be able to have access to the system at all times to enable them to both audit and keep up-to-date on developments. This calls for suppliers of CCTV solutions to facilitate such involvement as far as possible so as to arrive at the right kind of systems, and for management to be appropriately informed. We all share in the duty to provide a supportive and safe environment where worship can occur. At the same time, management needs to acknowledge potential ethical issues of monitoring premises full time. The considerable benefits of having CCTV needs to be balanced with responsibilities and respect for privacy for people and all those who are likely to visit the premises.



CAMERAS LOCATIONS

Having cameras at gates and access points immediately allows monitoring over the potential issues that can occur there, as well as identifying vehicles and people coming into and departing. Similarly, monitoring entrances to major buildings can pick up suspects potentially involved in theft of items.

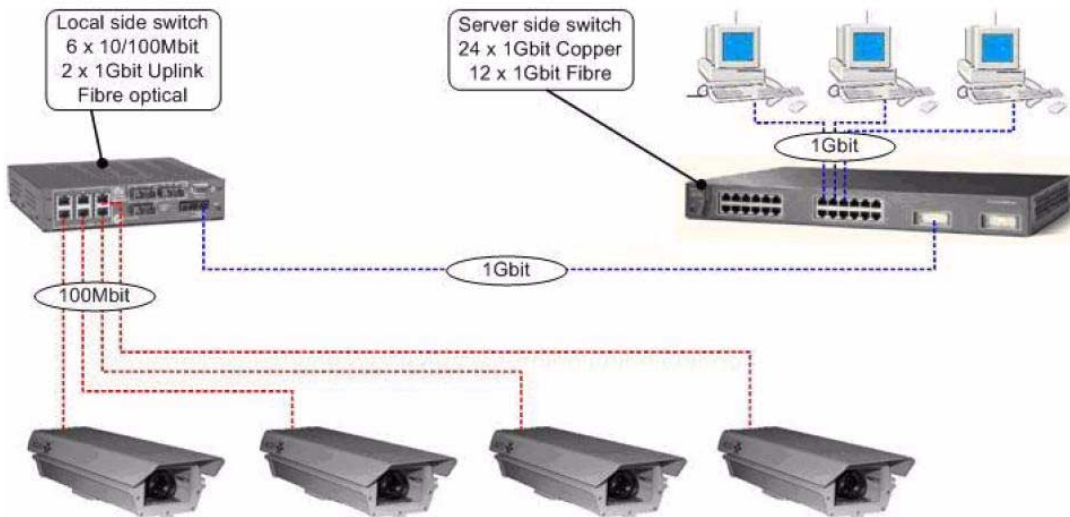
Protection of parking areas can also play a part in reducing petty theft and where there are know syndicates or groups of suspects involved in stealing at other places, these can be looked for and identified as part of the business protection of workers and visitors. The after-hours visual “patrol” of grounds, particularly where there are late afternoon or evening activities, can reduce the potential for attacks and theft. Similarly motion detection alarms can identify trespassers and safeguard against damage to property, while viewing access points can identify issues related to movement in and out of the premises.

Monitoring other security methods is also possible through the CCTV operation and the overall effectiveness of the protection measures can be increased. Indeed, in my experience, CCTV can show up a number of limitations and weak points in the traditional security precautions.

The I-Cube Surveillance Software: Supports Full IP Camera Integration scalable megapixel surveillance technology as part of a total IP convergence model.

- Hi Resolution Pictures
- All digital with a large field of view, allowing coverage of wide area
- Up to 40 times more detail than standard CCTV cameras
- Easily Enlarge finer details of image, allowing recognition of staff or student
- Supports Power over Ethernet – Providing power and video in one line
- Standalone appliance with built in web server
- No separate capture device needed
- Encrypted Video Signal, no one can gain access to the video is not allowed.
- Cost-effective deployment, the building blocks of a larger system (from 16 to 64 cameras).

FIGURE 96. Network cabling example:



IP

Network / Digital video recorder that provides a complete solution to today's most demanding video surveillance requirements. Policy-Based Recording and multiple recording frame rate. Motion Detection reduces the amount of hard drive space required. AVI Video Support allows the production of video for use as evidence. Browser-based access from anywhere in the world allows live and remote viewing. Multi-User Access allows access to individual cameras by specific staff members. Full Hybrid Support allows both CCTV and IP cameras to be used. Up to 64 cameras can be connected (with the FPS depending on system resources, and LAN Bandwidth). View video in full, half and quarter resolution modes. Up to 2560 x 1600 (5 megapixel) full screen single camera display (max res. depends on camera). Up to 25 fps per camera (Depending on CPU speed). Event driven, record all video, incremental video or when motion appears. Visec can email alerts, record based on scheduling, or certain custom frequencies for each camera. Specify multiple detection windows, motion sensitivity and minimum moving object size for each camera. Uses: Proprietary Motion Detection Technology (VPMD). Video stored in proprietary database format for fast archiving. Virtual PAN TILT ZOOM during playback. Control Playback Speed with easy to use interface. Fast Forward and Rewind up to 32X speed. Time Stamp locator makes find events quick and easy

Access video remotely via any Internet Browser – LAN OR WAN Advanced plugin allows video management from any premise. Download and Stream video without downloading the entire clip for real time playback Access simultaneous access to users Password protected. Advantages of Megapixel IP Cameras

FINANCIAL OPTIONS

The proposed security solution consisting of IP based CCTV cameras and a NVR is provided as a monthly rental.

Two cameras are suggested as an ideal way to become familiar with the advantages of the system, allowing further cameras to be simply added when required.

CODE	DESCRIPTION	QTY
	2 CAMERAS	
SASXO221002	Day & Night Network Camera with Pentax 3-8 mm Lens 0.65 Lux	2
S4SFS108PEU	Netgear Prosafe 8 Port Fast Ethernet Switch with Power over Ethernet 4-PoEports	1
S4SHPV36	Varifocal DC Auto Iris 1/3" 5-50mm, F1.4-360 CS Mount Lens	2
S4SHPV36	Videotec VERSO Compact Outdoor Polymer Housing, Sunshield, Side Opening IP66	2
UTP	Unshielded Twisted Pair (UTP) Network Cable CAT5 (304M) Box	1
RJ45C	RJ45 UTP Connector Crimp Type (Pack of 100)	1
RJ45C	RJ45 UTP Connector Boot(Pack of 100)	1
S4SV 4CHNVR	4 Channel NetworkVideo Recorder 3.2GHz, 1GB Ram, 19" LCD 1 TB HDD Storage XP Pro	1
INST	Installation & Commissioning	16
	TOTAL	

The monthly fee is payable in advance, and includes all hardware, software, LAN connection, training and install. The cost per camera for 2 cameras is: R850.00 per camera per month

If any additional camera was required the additional cost would be R 750.00 per month

ADDITIONAL INFORMATION

A new look at security

What if you could have a modern, state-of-the-art surveillance system which...

- helped reduce willful damage to property, thereby cutting the refurbishment costs and delivering a measurable return on investment?

- could ensure the safety of staff and visitors during worship hours?
- require no additional cabling?

With an Axis network video solution all this is possible.

Cost-effective, digital technology

Our digital surveillance systems have the advantage of being highly cost effective: installation costs are low since the need for dedicated cables is vastly reduced and the system can be run on existing computers. Our slim network-run equipment makes for low maintenance costs and images are stored on computer hard disks, which is a neat, cost effective storage solution. What's more, since Axis network products make use of modern digital technology, you are sure to get plenty of use out of the investments you make today. No matter whether you are choosing a surveillance system for monitoring or recording, you'll find an Axis solution that fits the bill.

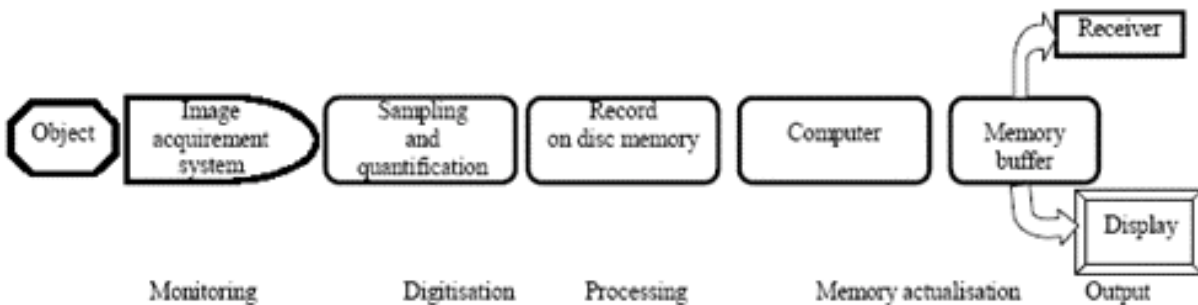


Fig1. Scheme of the sequence of the basic functions realised by a typical digital image processing system

Reliable systems

Hampered by the threat of harassment or violence? Be comforted by the presence of reliable network cameras. This includes external areas such as parking around the buildings as well as gate monitoring systems.

Outside business hours, the same surveillance system can be used to remotely monitor the property and deter vandalism. A sophisticated, built-in motion detection system can generate an alarm, which automatically transmits images to your security operators giving them accurate, up-to-the-minute information upon which to base their decisions.

Another interesting area of application for this technology is remote monitoring. An Axis network video solution can be used to make attending meetings "at a distance" a viable option for management who are unable to attend in person.

Tried and tested

With I-Cube's proven track record, you can feel confident that we will create the right solution and have the right products to achieve your surveillance ambitions. Network cameras are increasingly being used for security surveillance and the remote monitoring of parking areas, doors, gates and fences.



Reasons to choose I-Cube network video

- Remote access to video from any number of branch offices from a single location to protect staff and assets, verify transactions and cut down on false alarms

- Use existing network infrastructure and CCTV equipment for low start-up and operating costs
- Flexible and scalable solutions based on open standards — that meet your specific needs
- Proven future-proof technology — securing your investment

Need a security system that would help prevent crisis situations and create a safer environment for? In addition, need a solution that could be installed, operated and maintained without becoming a major financial drain on the budget? Use I-Cube network cameras and say you feel much safer now than they did before the cameras were present.

"Criminals typically think that no one is watching them when they are in a crowd, and most of the time, they are right. The best way to prevent crime is to let criminals know someone is monitoring their behavior." -- *Jim Walker, Vice President*



Need to find a way to reduce vandalism and theft? Use a fully networked surveillance solution. Six I-Cube Network Cameras were installed to monitor various sites. An [I-Cube](#) video server was installed to distribute the video images from the existing analog cameras onto the network. The entire solution relays digital video images to a central server, where they are stored and reviewed if an incident is reported. Rod Tostevin, Senior Technician says, "Theft and vandalism have largely disappeared while staff working late feel safer. Keeping the system running is simple thanks to the automatic recording, archiving and erasure of old images. Everything works very reliably and is an obvious deterrent to crime."

"For now, we have had excellent results with using the system preventively. The number of incidents has fallen dramatically to barely one a month – and we are very satisfied with that," concludes Svend Erik Rasmussen, Vice President

Hit by robberies in December, it was simple to search its digital video recordings to discover that the thieves were known locally. The images were sent immediately to the police, who used them to solve the case and make their arrests.

The client reported that the networked video surveillance system has since proved to have good preventive effect, with the number of incidents falling to barely one a month, which is considerably less than other big gathering areas. Also found the system to be both simple and easy to operate, as well as user-friendly when it comes to upgrades. The solution delivers much better picture quality than the previous analog system, and specific recordings can be quickly and easily identified in the system.

"We are saving both time and money – and if there is an incident, we have good evidence to solve the investigative work," says Rasmussen.

I-Cube video products increase safety

The image above, taken from an I-Cube Network Camera, formed part of



the evidence that was handed over to police following a burglary one night. The video recording was triggered by the camera's motion detection feature.

According to A. Vermeer, Head of Information and Communication Technology, the main reasons for selecting the IP-Surveillance solution were:

- flexibility
- quality
- cost-efficiency

"Flexibility is highly appreciated for the simple fact that the caretaker and I are able to access the system from different locations in the building, with different access rights and password-protected areas," Mr. Vermeer said. He explained that while a number of people have access to real-time images, access to stored and recorded images is limited to a few.

"The image quality of the cameras was, furthermore, an important differentiator compared to analog systems that were offered," Mr. Vermeer continued. "High quality color images provide us with a tool to recognize students even better."

"Pricing, in combination with the offering, was eventually the argument for us to decide to choose for a digital solution," said Mr. Vermeer. "Total cost of ownership is lower, with more functionality. And last, but not least, scalability was an important argument. We will, within three years, move to a new premise, and we can, without any problem, take this system to the new location without any hassle. With an analog system, we would have needed to invest in new coax cabling again, and our investment would be immediately eliminated."

Positive results achieved

Positive results were achieved immediately following the installation of the security system.

The caretaker was now able, at one sitting, to easily and remotely monitor various locations of the school to ensure the safety.

"The motion detection of the video surveillance system also recorded some people that committed a burglary," Mr. Vermeer said. "The camera at the entrance recorded the images. We were able to provide the police with evidence of the crime."

The most remarkable result, the school reported, has been the prevention of vandalism. There have been no incidents of vandalism since the installation of the surveillance system.

One of the system's benefits, Mr. Vermeer said, is its ability to maintain video recording even while recorded or live images are being viewed.

Before the IP-Surveillance solution was selected, the staff were able to provide their feedback to the management team. An important fact was that the majority of the staff members were positive about the system. The security system conformed to legal regulations.

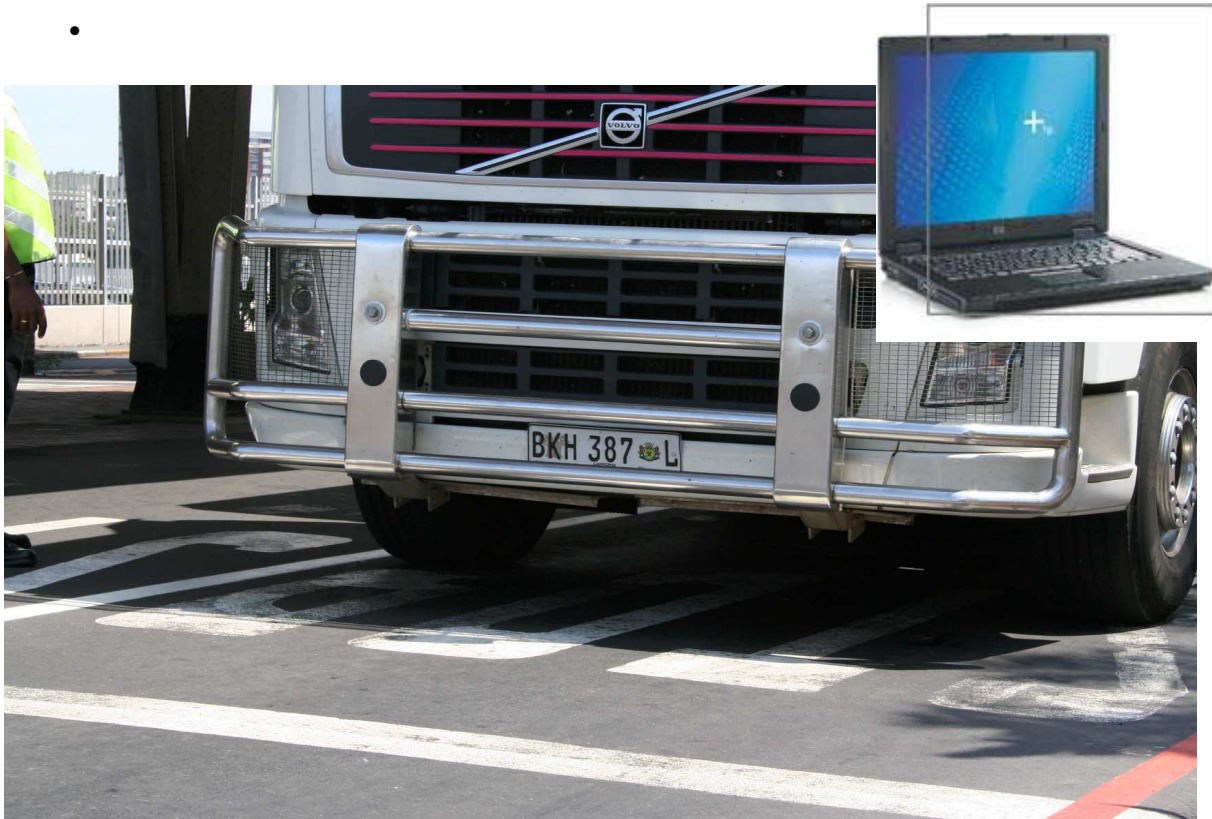
Networked security stamps out vandalism

I-Cube Video Servers were deployed to distribute video images from CCTV cameras onto the computer network. The entire solution enabled alarm activation, 24-hour, seven days-a-week basis.

Award winning results

"The system...has immediate effect ."
-- A. Vermeer

- Considerable cost savings have already been achieved. All incidences of vandalism and damage to property have been stopped in their tracks.
- Video footage clearly identified individuals involved in unauthorised access, vandalism and antisocial behaviour.
-



Customer Responsibilities

The following, non-exclusive, list of items would be required in order for the project to proceed.

Signed customer acceptance

1st Months rental

Telkom ADSL connection

A clean, consistent, source of Electricity is required at all the sites in the field.

Permission to work in the areas designated would be required.

The proposed solution will operate automatically however to ensure the system operates to the best ability, training of an operator is required.

Definitions, acronyms and abbreviations

AGC -Automatic Gain Control - A circuit for automatically controlling amplifier gain in order to maintain a constant output voltage with a varying input voltage within a predetermined range of input-to-output variation

Aperture - In television optics, it is the effective diameter of the lens that controls the amount of light reaching the photoconductive or photoemitting image pickup sensor.

Aspect Ratio - The ratio of width to height for the frame of the televised picture 4:3 for standard systems, 5:4 for 1K x 1K, and 16:9 for HDTV

Automatic Brightness Control - In display devices, the self-acting mechanism which controls brightness of the device as a function of ambient light.

Automatic Gain Control - A process by which gain is automatically adjusted as a function of input or other specified parameter.

Automatic Iris Lens - A lens that automatically adjusts the amount of light reaching the imager.

Automatic Light Control -The process by which the illumination incident upon the face of a pickup device is automatically adjusted as a function of scene brightness

Bandwidth - The number of cycles per second (Hertz) expressing the difference between the lower and upper limiting frequencies of a frequency band; also, the width of a band of frequencies

Blooming - The defocusing of regions of the picture where the brightness is at an excessive level, due to enlargement of spot size and halation of the fluorescent screen of the cathode-ray picture tube. In a camera, sensor element saturation and excess which causes widening of the spatial representation of a spot light source.

Brightness - The attribute of visual perception in accordance with which an area appear to emit more of less light. (Luminance is the recommended name for the photo-electric quantity which has also been called brightness.)

CCD - See Charge Coupled Device

C Mount - A television camera lens mount of the 16 mm format, 1 inch in diameter with 32 threads per inch.

CCTV - Common abbreviation for Closed-Circuit Television

Charge-Coupled Device CCD - For imaging devices, a self-scanning semiconductor array that utilizes MOS technology, surface storage, and information transfer by shift register techniques.

Contrast - The range of light to dark values in a picture or the ratio between the maximum and minimum brightness values.

Contrast Range - The ratio between the whitest and blackest portions of television image

DDE - Dynamic Data Exchange

Depth of Field - The in-focus range of a lens or optical system. It is measured from the distance behind an object to the distance in front of the object when the viewing lens shows the object to be in focus.

Depth of Focus -The range of sensor-to-lens distance for which the image formed by the lens is clearly focused.

DLL - Dynamic Linked Library

EPS - Edge pre-select

Fiber Optics - Also called optical fibers or optical fiber bundles. An assemblage of transparent glass fibers all bundled together parallel to one another. The length of each fiber is much greater than its diameter. This bundle of fibers has the ability to transmit a picture from one of its surfaces to the other around curves and into otherwise inaccessible places with an extremely low loss of definition and light, by a process of total reflection.

Field - One of the two equal but vertically separated parts into which a television frame is divided in an interlaced system of scanning. A period of 1/60 second separates each field start time.

Field of View - The maximum angle of view that can be seen through a lens or optical instrument.

Focal Length - Of a lens, the distance from the focal point to the principal point of the lens

Focal Plane - A plane (through the focal point) at right angles to the principal point of the lens

Focal Point - The point at which a lens or mirror will focus parallel incident radiation.

Gbps - Giga Bits per second

HTS - Hi-Tech Solutions

Iris - An adjustable aperture built into a camera lens to permit control of the amount of light passing through the lens.

IO - Input output

IP - Internet Protocol

IR - Infra Red

JPG - Joint Photographic Group Image Format

LED - Light Emitting Diode

Monitor - A unit of equipment that displays on the face of a picture tube the images detected and transmitted by a television camera.

MSMQ - Microsoft Message Queue

ND Filter - A filter that attenuates light evenly over the visible light spectrum. It reduces the light entering a lens, thus forcing the iris to open to its maximum.

Patch Panel - A panel where circuits are terminated and facilities provided for interconnecting between circuits by means of jacks and plugs.

PC - Windows based Personal Computer

Pixel - Short for Picture Element A pixel is the smallest area of a television picture capable of being delineated by an electrical signal passed through the system of part thereof. The number of picture elements (pixels) in a complete picture, and their geometric characteristics of vertical height and horizontal width, provide information on the total amount of detail which the raster can display and on the sharpness of the detail, respectively.

PWC - pulse width control

RFID - Radio Frequency Identification

Shutter - Ability to control the integration (of light) time to the sensor to less than 1/60 second; e.g: stop motion of moving traffic.

Signal-to-Noise Ratio - The ratio between useful television signal and disturbing noise or snow

Snow - Heavy random noise.

Spike - A transient of short duration, comprising part of a pulse, during which the amplitude considerably exceeds the average amplitude of the pulse.

TCP - Transmission Control Protocol

TBL - Terminal Block

Test Pattern - A chart especially prepared for checking overall performance of a television system. It contains various combinations of lines and geometric shapes. The camera is focused on the chart, and the pattern is viewed at the monitor for fidelity.

VB - Visual Basic

VDC - Voltage Direct Current

Vertical Resolution - The number of horizontal lines that can be seen in the reproduced image of a television pattern

VES - Vehicle Enforcement System

Zoom - To enlarge or reduce, on a continuously variable basis, the size of a televised image primarily by varying lens focal length.

Zoom Lens - An optical system of continuously variable focal length, the focal plane remaining in a fixed position.

I – Cube (Integrated,
Intelligent, Imaging)



TO:

MADADENI

82 Kloof Falls Rd
Kloof
Durban
Kwa-Zulu Natal
3610

VAT Reg Nr.

Cell:

Office:

Fax:

Email:

Tuesday, 25 March 2008

VAT NO 4890218607

RE: 2 CAMERA IP BASED CCTV SOLUTION

CUSTOMER ACCEPTANCE

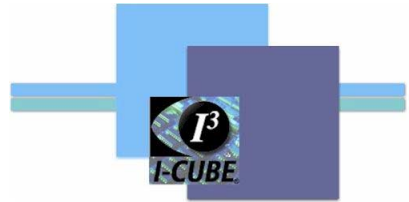
Order No _____ Reference No _____

Signature _____ Date _____

Name _____ Capacity _____

Please E-Mail confirmation of ORDER to LPR@I-Cube.co.za

Yours Faithfully,



BARRY T. FRYER DUDLEY

I-CUBE

<http://www.i-cube.co.za>

MADADENI

82 Kloof Falls Rd

Kloof,

Durban, Kwa-Zulu Natal, 3610, South Africa

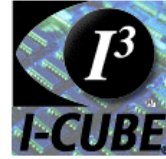
Cell: +27 (0) 82 562 8225

PH +27 (0) 31 764-3077

Fax 0866539659

E-mail: LPR@I-Cube.co.za

TAX INVOICE NO: 119100208



Integrated, Intelligent Imaging

TO: Bradley Allan
 Wooden Spoons Catering
 Tel: +27(0) 033 386 7948
 Fax: +27(0) AS ABOVE
 Cell: 083 651 5787

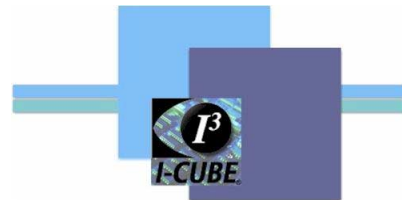
I – Cube (Integrated, Intelligent, Imaging)
MADADENI
82 Kloof Falls Rd
Kloof Durban
Kwa-Zulu Natal
3610
South Africa
Tuesday, 25 March 2008
Company Reg Nr. 2008/044769/23
VAT NO 4890218607

E-mail: wccatering@telkomsa.net
 VAT no.
 Company Reg Nr.

RE: 2 LIVE & RECORDED CAMERAS

<p>2 x CCTV cameras covering area required</p> <p>The cameras will be connected to a digital recorded which will be placed on a LAN for LIVE VIEW & remote monitoring. A min. of a weeks recording will be maintained on a FIFO basis (first in, first out). Longer events can be written to CD / DVD / hard drive.</p> <p>The price is payable per month, as long as the equipment / service is required. There is no longer term contact and if the cameras are required at the new site, a similar service can be provided.</p>	<p>R850.00 R850.00</p>
<p>Install / Training / Set up</p>	<p>Included</p>
<p>SUB TOTAL</p> <p>VAT</p> <p>TOTAL (per month)</p>	<p>R1 700.00 R238.00 R1 938.00</p>

Transfer to: **Bank** : First National Bank
 Name of Account holder : ASD
 Type of Account : Cheque
 Account No. : 62100812347
 Routing No. : 251505
 SWIFT NO : FIRZAJJ
 Reference : 119100208



Please E-Mail confirmation of payment to LPR@I-Cube.co.za

Yours Faithfully,

 BARRY T.
 FRYER
 DUDLEY

I-CUBE (Integrated, Intelligent Imaging)
 Cell: 082 562 8225; Office / Fax: 0866-539 659
 Email: btdudley@I-CUBE.co.za; Web site: www.I-CUBE.co.za