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**Gatineau, Québec K1A 0S5**  
**Bid Fax: (819) 997-9776**

## **SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

### **Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
7B3, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> PERIMETER DETECTION SYSTEMS CCTV		
<b>Solicitation No. - N° de l'invitation</b> 21120-147874/A		<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> 21120-14-2007874		<b>Date</b> 2014-07-15
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-334-64960		
<b>File No. - N° de dossier</b> hn334.21120-147874	<b>CCC No./N° CCC - FMS No./N° VME</b>	
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2014-07-25</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>		
<b>Address Enquiries to: - Adresser toutes questions à:</b> McLaughlin, Michael		<b>Buyer Id - Id de l'acheteur</b> hn334
<b>Telephone No. - N° de téléphone</b> (819) 956-3622 ( )		<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>		

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
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<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation

21120-147874/A

Amd. No. - N° de la modif.

005

Buyer ID - Id de l'acheteur

hn334

Client Ref. No. - N° de réf. du client

21120-14-2007874

File No. - N° du dossier

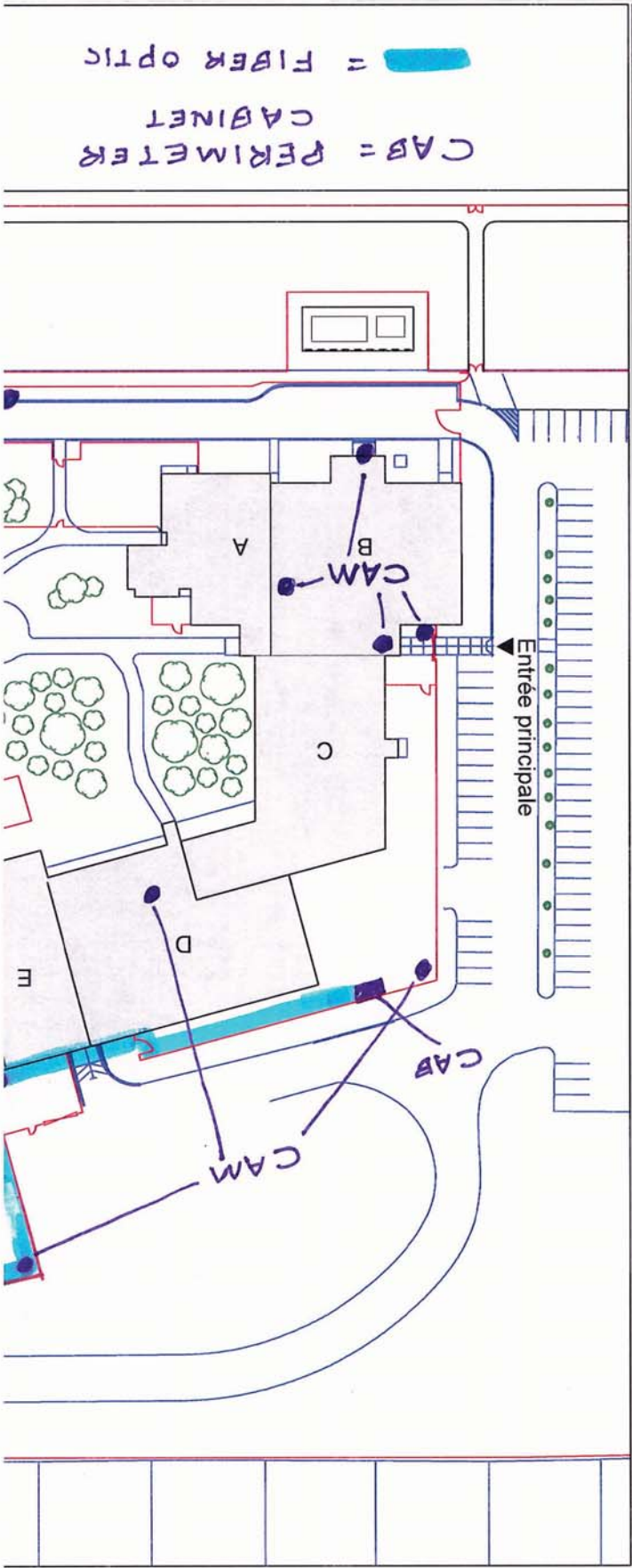
hn33421120-147874

CCC No./N° CCC - FMS No/ N° VME

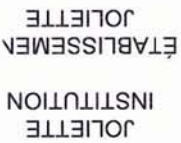
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This amendment is raised to include additional drawings as requested by potential bidders.

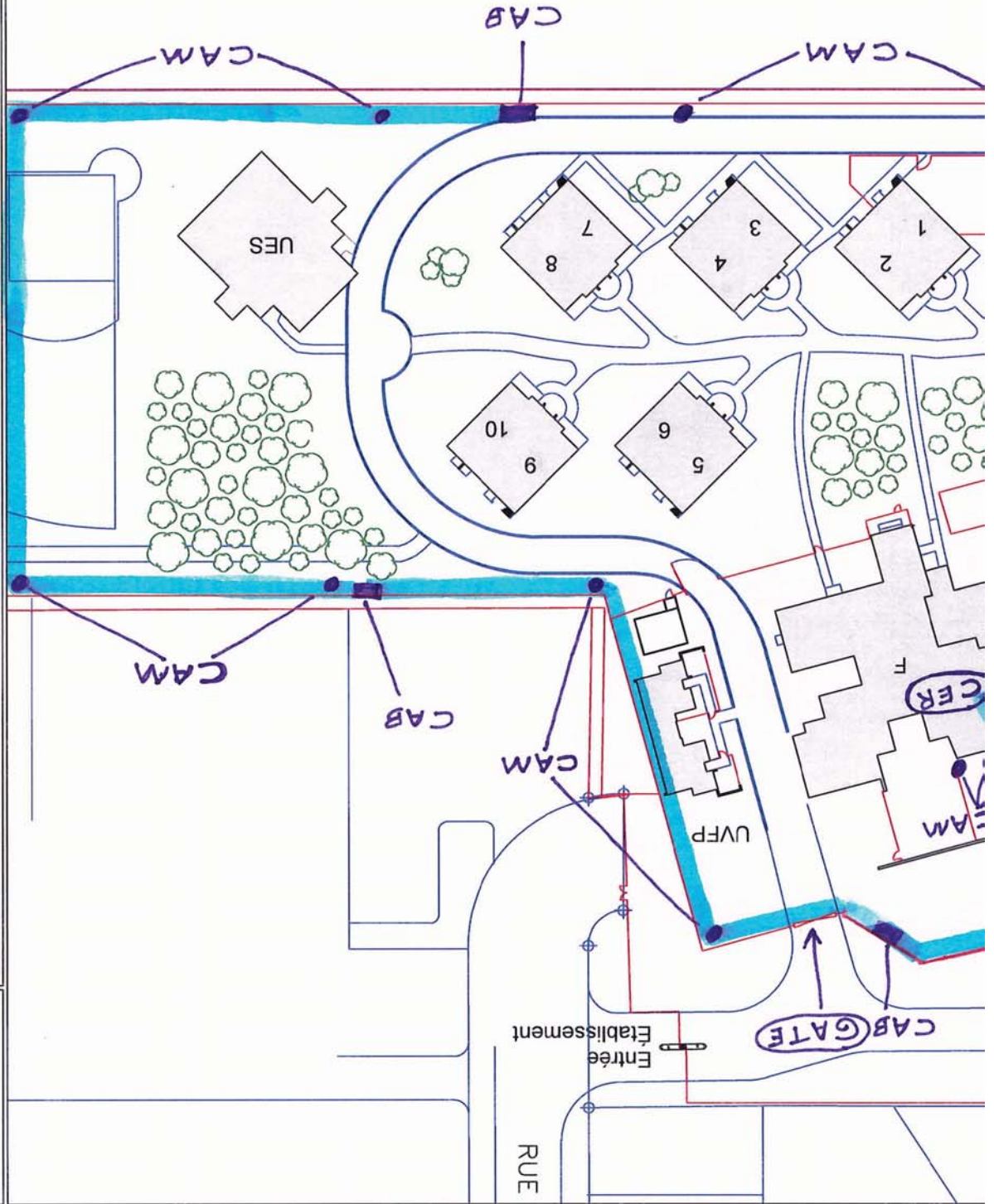
**ALL REMAINING TERMS AND CONDITIONS ARE UNCHANGED**



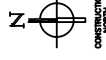
TAG #	BLDG #	BLDG NAME
325-01	----	LAND
325-02	----	INFRASTRUCTURE
325-03	----	PERIMETER SECURITY
325-04	A	VISITES, CHAPELLE, GARDERIE
325-04	B	ENTRÉE PRINCIPALE, GYMNASSE, LOISIRS
325-04	C	SECTEUR ADMINISTRATIF
325-04	D	SERVICES ALIMENTAIRES, EDUCATION, CORCAN
325-04	E	RESSOURCES MATÉRIELLES, ADMISSION, LIBÉRATION,
325-12	F	UNITÉ MAX
325-11	UES	UNITÉ A ENVIRONNEMENT STRUCTURE
325-10	VFP	VISITES FAMILIALES
325-05	01 & 02	UNITÉS D'HABITATION
325-06	03 & 04	UNITÉS D'HABITATION
325-07	05 & 06	UNITÉS D'HABITATION
325-08	07 & 08	UNITÉS D'HABITATION
325-09	09 & 10	UNITÉS D'HABITATION



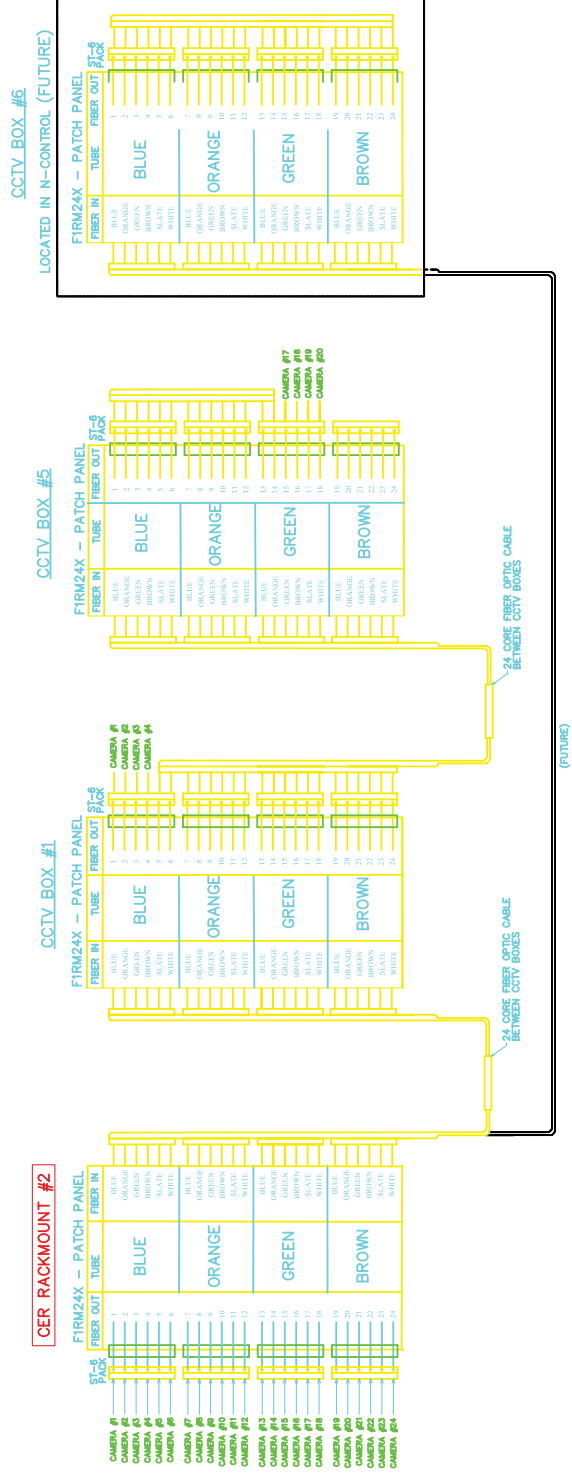
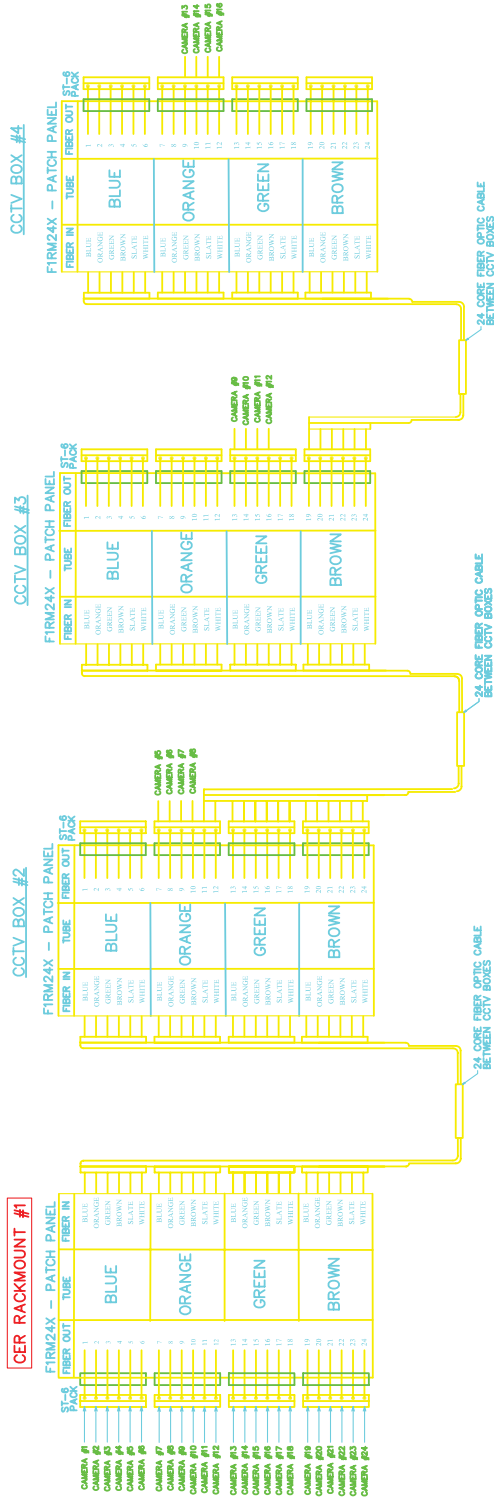
JOLLETTE  
INSTITUTION  
ÉTABLISSEMENT  
JOLLETTE







## NOTES

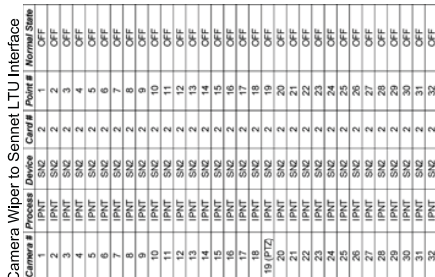












### Detail A

### CCTV Enclosure Tamper Alarm Assignments

Enclosure #	Device	Card #	Point #	Alarm Type	Normal State
JB1	SN2	2	48	Fail	Closed
JB2	SN2	2	49	Fail	Closed
JB3	SN2	2	50	Fail	Closed
JB4	SN2	2	51	Fail	Closed
JB5	SN2	2	52	Fail	Closed
JB6	SN2	2	53	Fail	Closed

**NOTES**

## NOTES

UPIDS CCTV SYSTEM  
REPLACEMENT PROJECT

**VIDS CCTV SYSTEM  
DRUMMOND INSTITUTION  
CABINET DETAILS**

[illegible]



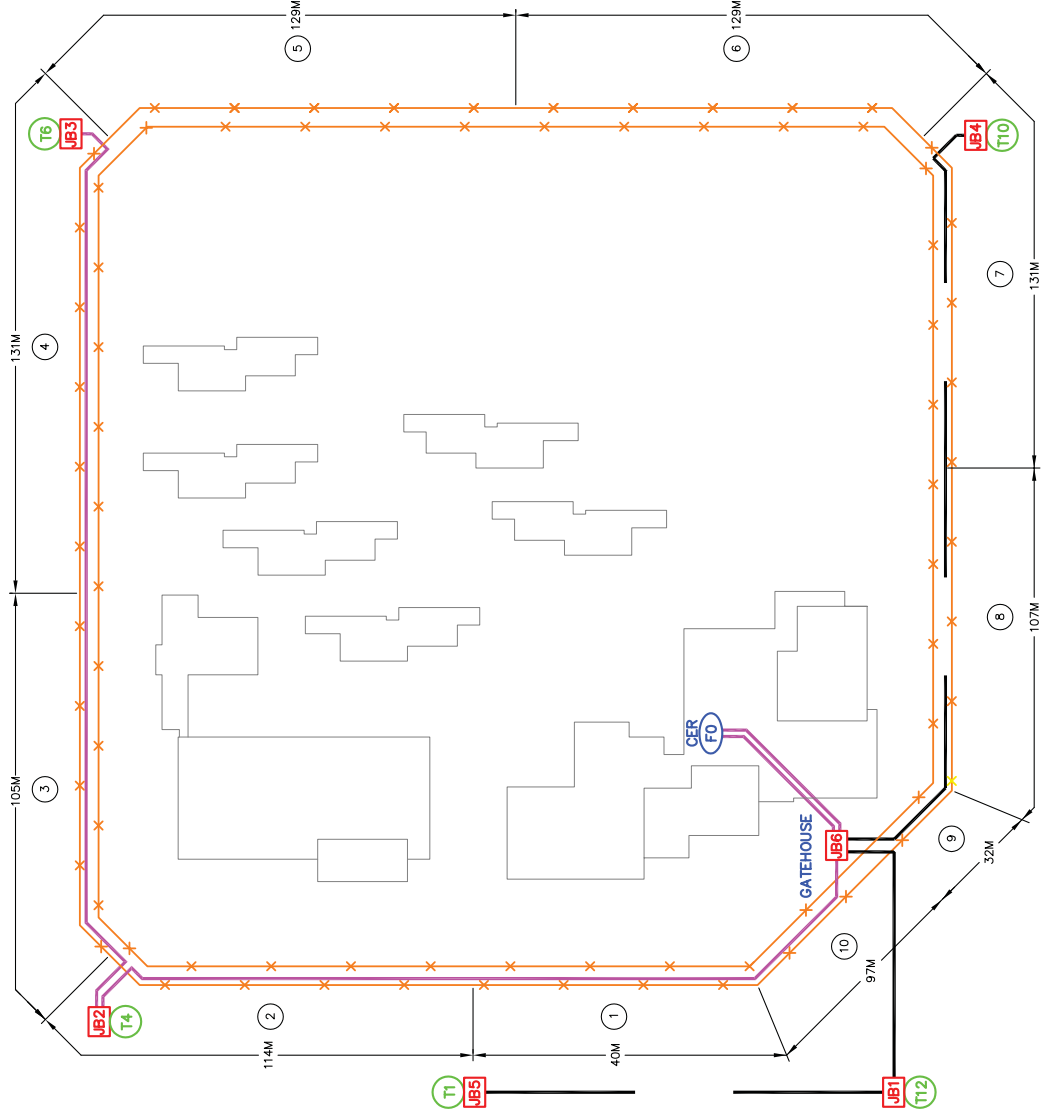
## NOTES

[illegible]

PROJECT  
PIDS CCTV SYSTEM  
REPLACEMENT PROJECT

DRAWING TITLE

DECLASSIFIED BY	SCALE NHS
DATE	DATE SEPTEMBER 26, 2006
DECLASSIFIED BY	CLASS PROJECT NO. 2112X-037633A
DECLASSIFICATION AUTHORITY	APPROVING OFFICE DATE 06-008



CCTV CONTROL BOX	CAMERAS
JB1	C13 & C15
JB2	C09-C12
JB3	C05-C08
JB4	C01-C04
JB5	C14 & C16
JB6	C17 & C18

#### LEGEND

- GT-X = GUARD TOWER
- TX = CAMERA TOWER
- PX = CCTV CONTROL BOX (NEW)
- = FIBER OPTIC CABLE (24 CORE, NEW)
- = FIBER OPTIC CABLE (12 CORE, NEW)
- = FIBER OPTIC EQUIPMENT (NEW)

SITE PLAN

PIDS CCTV REPLACEMENT

DRUMMOND INSTITUTION - SITE PLAN

DRUMMONDVILLE, QUEBEC

05-008-DRUMM-03

PWGSC FILE 21120-052074/001/HN

NOVEMBER 7, 2006

AS-BUILT

**MARCOMM**  
**FIBRE OPTICS INC**  
 29 ANTARES DRIVE  
 NEPEAN, ONTARIO

# **DYNATROL**

---

## **LANSER SENSTAR/DYNATROL INTERFACE ADMINISTRATOR REFERENCE MANUAL REVISION 6**

Dynatrol is a copyright of Marcomm Systems Group Inc.  
29 Antares Drive, Nepean, Ontario K2E 7V2  
Tel. (613)226-8866  
Fax (613)226-8171

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### 1.1 SCOPE OF THIS MANUAL

This manual will describe the hardware installation, configuration and diagnostic procedures for the Marcomm **LANSER to FAAS/Dynatrol Interface**.

### 1.2 PRODUCT DESCRIPTION

The **LANSER to FAAS/Dynatrol Interface** provides a data communications solution for converting packets from asynchronous serial devices to a TCP port that will output over a TCP/IP Ethernet network.

The **LANSER to FAAS/Dynatrol Interface** will convert up to 4 native RS-232 to TCP ports accessible through an Ethernet connection and vice-versa. With an asynchronous serial port connection on one end and two 100 Mbps Ethernet connection on the other, the **LANSER to FAAS/Dynatrol Interface** will allow any serial device to transmit/receive information over an Ethernet network.

The information coming from/to the serial ports and TCP ports is analyzed and converted to several protocols to interface different systems.

The **LANSER to FAAS/Dynatrol Interface** is compatible with the following:

- Dynatrol Integration Software / Senstar-100 Integration Software
  - Genetec Omnicast NVR software
  - UPS (Using a ConnectUPSX/MGE integration card)
  - Generic devices
  - Dynatrol 1616/4040 I/O module

### 1.3 FEATURES

- 4 RS-232 configurable ports
- 10/100 Mbps Ethernet port
- Field-upgradeable firmware
- Redundant 100 BaseT Ethernet Communications
  
- Integration to/from Dynatrol integration software
- Integration to/from Senstar-100 Integration software

## 1.4 PRODUCT SPECIFICATIONS

### HARDWARE

<b>Processor:</b>	VIA Luke 800MHz CoreFusion™ / VIA VT8237R-Series South Bridge
<b>System Memory:</b>	1 DDR 400 DIMM slot / Up to 1GB memory size
<b>Onboard VGA:</b>	Integrated VIA UniChrome™ Pro AGP with MPEG-2/4 Acceleration
<b>Expansion Slots:</b>	1 PCI
<b>Onboard IDE:</b>	2 UltraDMA 133/100/66 Connectors
<b>Onboard LAN:</b>	VIA VT6103L 10/100 Ethernet PHY VIA VT6107 10/100 Fast Ethernet (default) or VT6122 Gigabit Ethernet
<b>Onboard Audio:</b>	VIA VT1618 8-channel AC'97 Codec
<b>Onboard I/O Connectors:</b>	2 USB pin headers for 4 additional USB 2.0 ports 1 SIR pin header 2 S-ATA Connectors 1 Buzzer 1 Digital I/O pin header 1 CD Audio-In pin header 1 Front-panel audio pin header (Mic-in and Line-out) 1 WP pin header for BIOS flash 3 Serial port pin headers for COM2/3/4 (5V/12V selectable) 1 CIR pin header (Switchable for KB/MS) 2 Fan connectors: CPU/Sys FAN 1 SM Bus pin header 1 LVDS/TTL/DVI module connector (an add-on card is required) 1 Front-Panel pin header 1 ATX Power Connector
<b>BIOS:</b>	Award BIOS, LPC 4/8Mbit flash memory
<b>Supported OS:</b>	Windows 2000 / XP, Linux, Win CE, XPe
<b>Software Application:</b>	VIA FliteDeck™ Suite MissionControl-H/W Monitoring, Remote SNMP Management FlashPort-Live BIOS Flash SysProbe-Live DMI Browser
<b>System Monitoring:</b>	CPU temperature reading, CPU voltage monitoring Wake-on-LAN, Keyboard-Power-on Timer-Power-on, Watch Dog Timer,
<b>FAN control:</b>	System power management, AC power failure recovery



## INTERFACE

**Back Panel I/O:** 1 PS2 Mouse port  
1 PS2 Keyboard port  
2 RJ-45 LAN ports  
1 Parallel port (LPT)  
1 Serial port  
4 USB 2.0 ports  
1 VGA port  
3 Audio jacks: line-out, line-in and mic-in (Vertical, Smart 5.1 Support)

**Signals:** RS-232: TxD, RxD, GND

**Max. Cable Lengths:** RS-232: 1300'(400M)@1,200 baud  
13'(4M) @115,200 baud

## MANAGEMENT

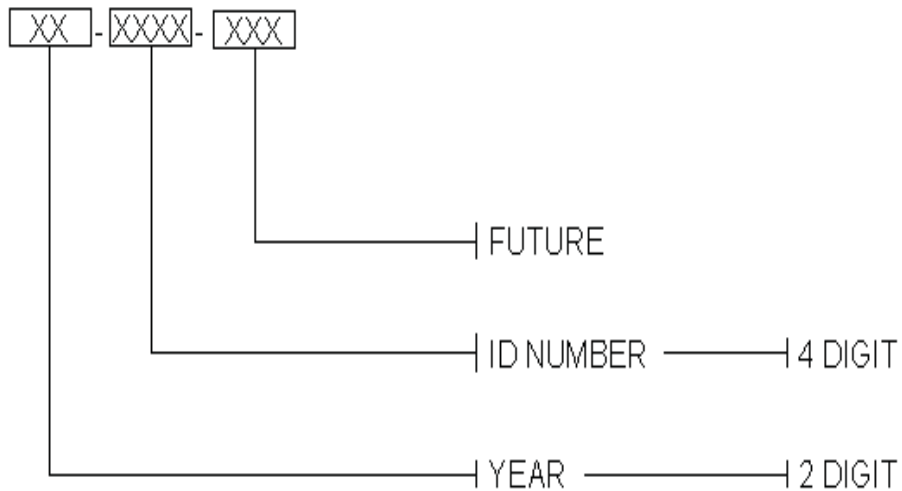
- Configuration interface (Telnet / FTP)
- Diagnostics interface (Diagnostics software)

## POWER AND ENVIRONMENT

**Power Requirements:** 120 VAC 60 Hertz  
**Operating Temperature:** 0 ~ 50°C  
**Operating Humidity:** 0% ~ 95% (relative humidity; non-condensing)

## 1.5 PRODUCT IDENTIFICATION / SERIAL NUMBER

Each **LANSER to FAAS/Dynatrol Interface** has a unique identification code. The identification code is located on the module label on the front of the interface case. The identification code is interpreted as shown in Figure 1 following:



*Figure 1 – Identification Code*

The identification code indicates the functional capabilities of the particular module and is required at all times when requesting technical assistance or a RMA Number should the module require repair. The identification code of the current module may also be required when ordering additional modules to expand an existing system.

## SECTION 2 HARDWARE INSTALLATION

---

### 2.1 PRE-INSTALLATION INSPECTION

Prior to installation, visually inspect the module for any signs of damage. If the module appears to have sustained damage in shipping, call for an RMA Number and return the module to Marcomm Systems Group Inc. for repair and/or replacement.

Marcomm Systems Group Inc.  
29 Antares Drive  
Ottawa, Ontario, Canada  
K2E 7V2

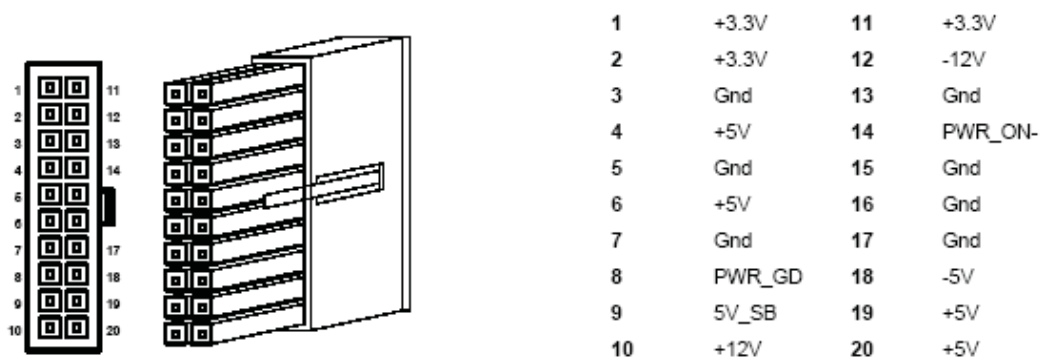
Normal Hours 9:00AM to 4:30PM Eastern Time  
Monday to Friday  
Holidays Excluded  
TEL: (613) 226 – 8866  
FAX: (613) 226 – 8171  
Email: [service@msgi.ca](mailto:service@msgi.ca)

## 2.2 POWER WIRING INSTALLATION

The **LANSER to FAAS/Dynatrol Interface** is supplied with a 120VAC power supply.

All wiring terminations for power, communications, inputs, and outputs, should be completed prior to applying power to the **LANSER to FAAS/Dynatrol Interface**.

The **LANSER to FAAS/Dynatrol Interface** motherboard utilizes an industry standard 20-pin ATX main connector to the power supply. Due to the EPIA EK platform's ultra low power requirements a 90 – 120 Watt ATX power supply is ample for even the heaviest of multimedia system applications.



*Figure 2 – LANSER to FAAS/Dynatrol Interface internal power connector*

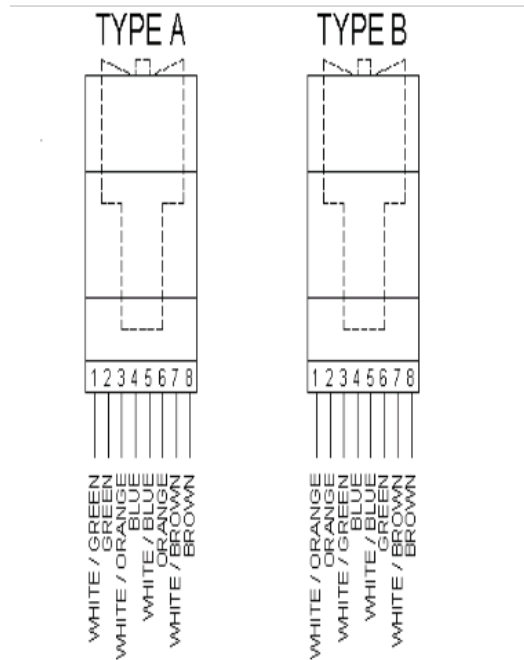
## 2.3 ETHERNET / PORTS WIRING INSTALLATION

RS-232 Data is connected to the onboard DB-9 connector. In the event that more ports are required, the **LANSER to FAAS/Dynatrol Interface** will come equip with a card to allow connection to more than 1 serial port.

Generally 1 Pair (RS-232) 22AWG shielded twisted pair cable will provide adequate support. Shields should only be terminated at one end of the data bus in order to avoid potential ground loop situations.

Ethernet connections are made using factory manufactured patch cables or field terminated cables. When connecting directly to the **LANSER to FAAS/Dynatrol Interface** use a crossover cable, otherwise use a straight cable.

A straight cable will be terminated with Type A or Type B terminations at each end while a crossed cable will be terminated with a Type A termination at one end and a Type B termination at the other hand, as shown below in Figure 10. When other Ethernet devices are employed, such as fiber optic transceivers follow manufacturer's directions for connection.



*Figure 3 – Ethernet connections*

### **3.1 SYSTEM SOFTWARE REQUIREMENTS**

#### **OPERATING SYSTEM REQUIREMENTS**

- Windows® based platform
- Unix ® based platform

#### **SOFTWARE REQUIREMENTS**

A Telnet client application will be required to configure/modify the **LANSER to FAAS/Dynatrol Interface**. An FTP client application will be required to upgrade the **LANSER to FAAS/Dynatrol Interface** firmware.

The following tools have been tested and deemed functional:

- FileZilla (FTP): <http://filezilla-project.org/download.php?type=client>
- Putty (Telnet):  
<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>

### **3.2 ACCESSING THE CONFIGURATION INTERFACE**

To access the configuration interface, open your Telnet client application and connect to the **LANSER to FAAS/Dynatrol Interface** IP address.

Host name:	<IP address>
Connection type:	Telnet
Port:	22

Upon a successful connection, you will be prompted for a username/password.

Username: marcomm  
Password: 4444

### 3.3 INTERFACE CONFIGURATIONS

To access the interface configuration you will be required to access the proper **LANSER to FAAS/Dynatrol Interface** module directory.

To do so, type the following command at the prompt: `cd /home/marcomm/LANSERX/` (where **X** is the LANSER module ID).

For example, if only one RS-232 interface is deployed, X will be 1 and the command will read:

**`cd/home/marcomm/LANSER1/`**

To access the general configuration, type the following command at the prompt:

**`pico config.cfg`**

- **IP:** IP address of the LANSER module.
- **OUTIP:** The IP address of the deployed Dynatrol station.  
Specify 0.0.0.0 to integrate to a Senstar-100 system.
- **OUTPPORT:** The Integration port of the deployed Dynatrol station.
- **ID:** This address is the ID of the module (Do not modify)
- **IOPORT:** This is legacy information and should not be changed.
- **SERIAL:** This is the serial port designation, this can be change to match the serial port on which the serial device is attached.
- **BAUD:** This is the baud rate at which the serial device attached to the serial port communicates
- **BITS:** This is the data bits settings used to communicate with the serial device attached to the serial port.
- **PARITY:** This is the parity settings to communicate with the serial device attached to the serial port.
- **STOPBITS:** This is the stop bits settings to communicate with the serial device attached to the serial port.



To access the Dynatrol 1616/4040 configuration, type the following command at the prompt:

**pico points.cfg**

- NET: This is the Net number on which the designated Dynatrol I/O is broadcasting.
  - Panel: This is the Device ID of the designated Dynatrol I/O.
  - Point: This is the Dynatrol I/O point to translate to a Senstar-100 point or Dynatrol point.
  - FAASP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Dynatrol I/O point.
  - FAASB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Dynatrol I/O point. Will be 1 or 2.
  - GP: This is a point sent to a generic device on change (alarm/secure) of the attached Dynatrol I/O point.
  - OIP: This is a point sent to the Open Interface on change (alarm/secure) of the attached Dynatrol I/O point.
- Notes: Point **65501** is used to announce network offline on the given network.  
Point **6540X** is used to announce panel X offline on the given network.

To access the Genetec Omnicast configuration, type the following command at the prompt:

**pico genetec.cfg**

- IP: This is the IP address on which the Genetec Omnicast Software broadcasts the system information.
- SPORT: This is the Server Port on which the **LANSER to FAAS/Dynatrol Interface** communicates with the Genetec Omnicast Software.

**Genetec Omnicast to Senstar-100 / Dynatrol**

- POINT: This is the Genetec Omnicast Action to translate to a Senstar-100 point or Dynatrol point.
- FAASP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (Alarm/Secure) of the attached Genetec point.
- FAASB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change. (Alarm/Secure) of the attached Genetec point. It will be 1 or 2.
- IOP: This is a point sent to a dynatrol 1616/4040 I/O on change (alarm/secure) of the attached Genetec point.
- OIP: This is a point sent to the Open Interface on change (alarm/secure) of the attached Dynatrol I/O point.

**Senstar-100 / Dynatrol to Genetec Omnicast**

- FAASP: This is the alarm point from the Senstar-100/Dynatrol Integration software that translate to a Genetec Omnicast point.
- FAASB: This is the alarm bit from the Senstar-100/Dynatrol Integration software that translate to a Genetec Omnicast point. It will be 1 or 2.
- POINT: This is the alarm point to send to the Genetec Omnicast Software on change (alarm/secure) of the attached Dynatrol or Senstar-100 point.

Notes: Point **65500** is used to announce Genetec Omnicast Integration macro offline.  
Point **6550X** is used to announce Virtual Matrix X offline.

To access the UPS configuration, type the following command at the prompt:

**pico ups.cfg**

- IP: This is the IP address of the UPS.
- TYPE: Type of card deployed.  
Powerware X125 family using the ConnectX UPS Card  
Powerware X130 family using the ConnectUPS-MS card
- ALPHA UPS
- BATLOW: This is the threshold at which a “Low Battery” alarm will be sent to the integration software. (In seconds)
- BLOWP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on Battery Low.
- BLOWB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on Failure of the UPS.
- LOWGP: This is a point that is sent to a generic device on Battery Low.
- LOWIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on Battery Low.
- LOWOIP: This is a point that is sent to an Open Interface device on Battery Low.
- ACP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on AC Failure.
- ACB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on AC Failure.
- ACGP: This is a point that is sent to a generic device on AC Failure.
- ACIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on AC Failure.
- ACOIP: This is a point that is sent to an Open Interface device on AC Failure.
- FLP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on aUPS failure.
- FLB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on a UPS failure.
- FGP: This is a point that is sent to a generic device on UPS Failure.
- FIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on UPS Failure.
- FOIP: This is a point that is sent to an Open Interface device on UPS Failure.
- OFFLP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on Network failure.
- OFFLB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on Network failure.
- OFFGP: This is a point that is sent to a generic device on Network Failure.
- OFFIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on Network Failure.
- OFFOIP: This is a point that is sent to an Open Interface device on UPS Failure.

To access the Generic devices configuration, type the following command at the prompt:

**pico generic.cfg**

- **DEVICE:** This is the Device ID. The **LANSER to FAAS/Dynatrol Interface** supports up to 9 generic devices.
- **Point:** This is the Generic point to translate to a Senstar-100 point or Dynatrol point.
- **FAASP:** This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Generic device.
- **FAASB:** This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Generic device.

**Notes:** Point **65501** is used to announce network offline on the given network. For more information on the Generic interface, please communicate with us.

To access the Open Interface configuration, type the following command at the prompt:

**pico DynatrolOpenInterface.cfg**

- POINT: This is the Open Interface action to translate to a Senstar-100 point or Dynatrol point.
- FAASP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Genetec point.
- FAASB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change. (Alarm/secure) of the attached Genetec point. It will be 1 or 2.
- GP: This is a point sent to a Generic device on change (alarm/secure) of the attached Open Interface point.
- IOP: This is a point sent to a Dynatrol 1616/4040 I/O on change (alarm/secure) of the attached Open Interface point.

### 3.4 FIRMWARE UPGRADE

To upgrade the **LANSER to FAAS/Dynatrol Interface** firmware, open your Telnet client application and connect to the **LANSER to FAAS/Dynatrol Interface** IP address.

Host name: <IP address>  
Connection type: Telnet  
Port: 22

Upon a successful connection, you will be prompted for a username/password.

Username: marcomm  
Password: 4444

Type the following command to STOP the **LANSER to FAAS/Dynatrol Interface** firmware module:

```
/etc/init.d/LANSER1 stop
```

The following information will be shown on screen:

```
Thu Oct 9 22:18:16 EDT 2008 - LANSER Module 1 stopped  
Thu Oct 9 22:18:16 EDT 2008 - Stopping LANSER Module: ls_faas
```

For backup purposes, rename the **LANSER to FAAS/Dynatrol Interface** firmware files prior to overwriting them.

Establish an FTP connection with the **LANSER to FAAS/Dynatrol Interface** IP address.

Host name:	<IP address>
Connection type:	FTP
Port:	21
Logon type:	Normal
Username:	marcomm
Password:	4444

1. Upload the new firmware files in the proper **LANSER to FAAS/Dynatrol Interface** module directory (/home/marcomm/LANSERX/) (where **X** is the LANSER module ID). For example, if only one RS-232 interface is deployed, X will be 1 and the upload directory will be /home/marcomm/LANSER1/
2. Type “su” (4444) to login as root
3. Copy the new files in the proper **LANSER to FAAS/Dynatrol Interface** module directory.
4. Type “chmod 777 /home/marcomm/LANSERX/\*”(where **X** is the LANSER module ID)
5. Type “chown marcomm:marcomm /home/marcomm/LANSER1/\*”(where **X** is the LANSER module ID)

Type the following command to START the **LANSER to FAAS/Dynatrol Interface** firmware module:

```
/etc/init.d/LANSER1 start
```

The following information will be shown on screen:

```
Thu Oct 9 22:22:30 EDT 2008 - LANSER Module 1 started
Thu Oct 9 22:22:30 EDT 2008 - Starting LANSER Module: ls_faas
```

The firmware upgrade process is completed.



#### 4.1 HARDWARE DIAGNOSTICS

On the older style LANSER, pictured below, the status can be obtained from the following LEDs.

Upon a valid power connection, the POWER LED will be lit.

Upon HD activity, the Activity diagnostic LED will toggle,



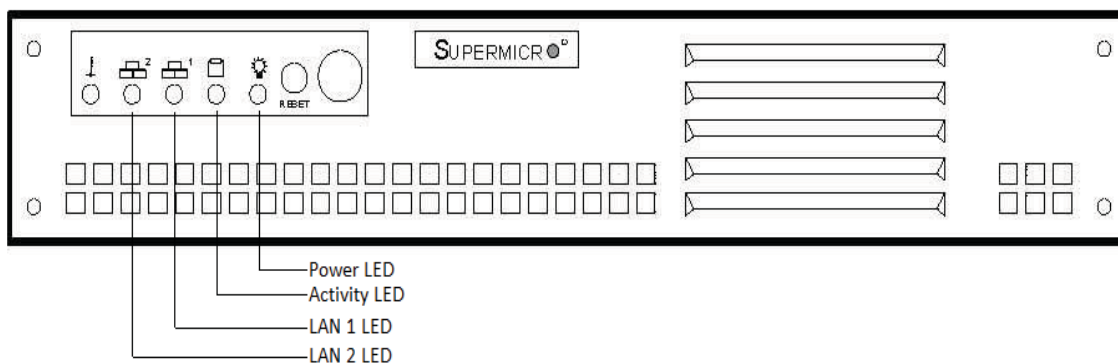
Figure 4 – Hardware Diagnostics LED

The Current LANSERs have a few more status LEDs as listed below.

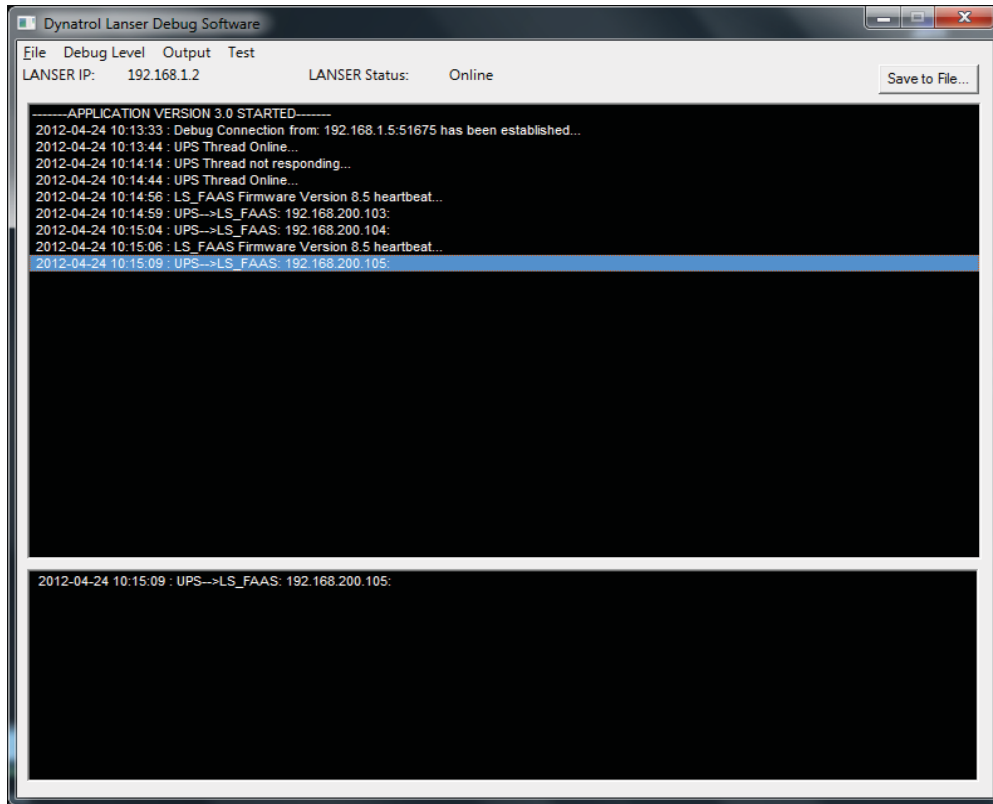
Upon a valid power connection, the POWER LED will be lit.

Upon a valid network connection the corresponding NETWORK LED will be lit. Note that there are two network jacks, and two network connections are possible.

Upon HD activity, the Activity diagnostic LED will toggle.



## 4.2 SOFTWARE DIAGNOSTICS



*Figure 5 – Software Diagnostics*

Software diagnostics is achieved using the `im_lsdebug` software. To use the software create a shortcut of `im_lsdebug.exe` and edit the properties of the new icon to include the I.P address of the LANSER (i.e. `C:\im_lsdebug.exe 192.168.1.2`). Open this shortcut and it will automatically connect to the LANSER. All system information/event will be posted as they arrive. Review the information to ensure the module is functional.

#### 5.1 FREQUENTLY ASKED QUESTIONS

This section will fill up as our service department receives queries on this particular product.

#### 5.2 TROUBLESHOOTING TIPS

This section will fill up as our service department receives queries on this particular product.

#### 5.3 TROUBLESHOOTING PROCEDURE

This section will guide you to troubleshoot and replace a Dynatrol LANSER.

The following events/failures are reported:

- 1 The integration between the main System (Genetec, I/O, Generic device) and Integration software (PIDS/FAAS or Dynatrol) is not operational.
- 2 The recording on alarm from FDS/MDS is not operational.

Establishing a troubleshooting communication to the interface

Using a computer deployed on the relevant network, execute the Integration module application (im\_lsdebug.exe) as shown above under Software Diagnostics. The module will automatically connect to the LAN to Serial Interface. The system activity will be logged in real-time. If the module cannot connect to the LAN to Serial Interface, ensure that the computer IP address is located in the proper group and that the LAN to Serial Interface can be accessed. (Using a “ping” command to access both the LAN to Serial Interface and camera).

If the computer used for troubleshooting has access to the network, but cannot access the LAN To Serial Interface, reboot the LAN to Serial Interface. If the interface is still not accessible, **replace the LAN to Serial Interface**.

If the module logs activity but the interface is not operational, set the module “Debug Level” to 3 and leave the module logging for 10 minutes. Press the “Save to File...” button. The saved logs will be located under the “Log File Directory” as specified in the module. Send the files to [service@msgi.ca](mailto:service@msgi.ca) with a description of the issue for our technical support department to review.

### **Replacing a LAN to Serial Interface**

- Remove the faulty interface from the network.
- Install the spare interface on the network.
- Restart the Computer.
- Establish a troubleshooting connection to the interface.
- Ensure the interface is operational.

### **NOTES**

Upon a LAN to Serial Interface failure, the Integration software status will not be accurate and may need to be manually synchronized by clearing alarms manually through the Genetec Omnicast or Dynatrol Cell Call systems.

## **SECTION 6**

### **KNOWN ISSUES**

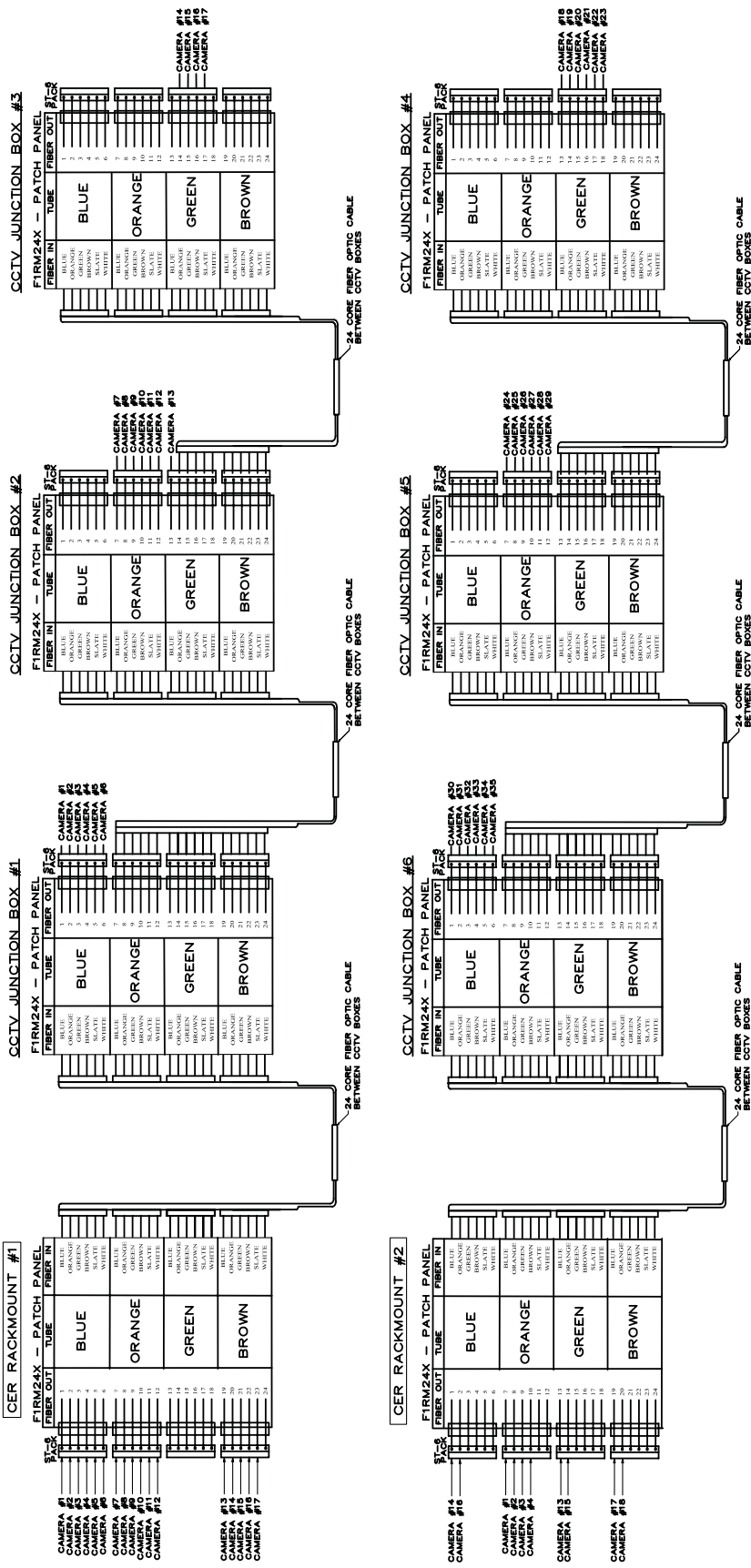
---

No known issues to date









CAMERA #1	CAMERA #16
CAMERA #2	CAMERA #17
CAMERA #3	CAMERA #18
CAMERA #4	CAMERA #19
CAMERA #5	CAMERA #20
CAMERA #6	CAMERA #21
CAMERA #7	CAMERA #22
CAMERA #8	CAMERA #23
CAMERA #9	CAMERA #24
CAMERA #10	CAMERA #25
CAMERA #11	CAMERA #26
CAMERA #12	CAMERA #27
CAMERA #13	CAMERA #28
CAMERA #14	CAMERA #29
CAMERA #15	CAMERA #30





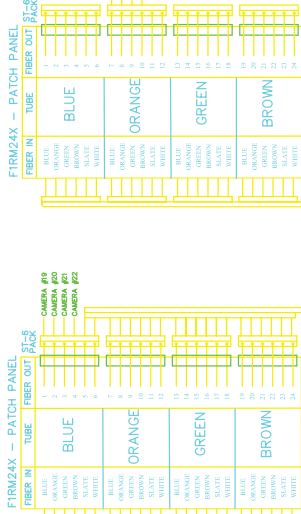




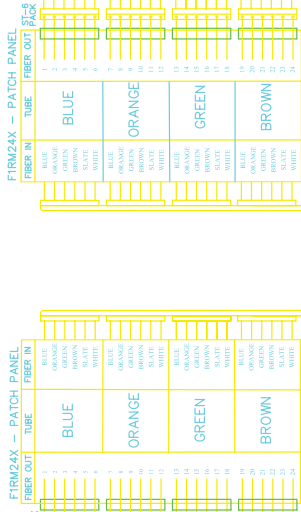


NOTES

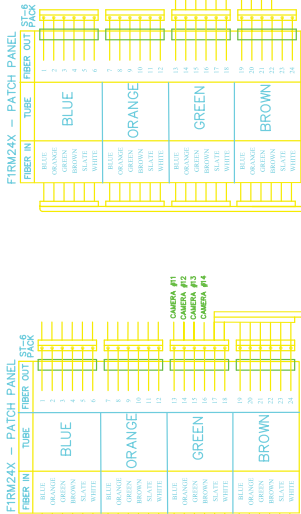
CCTV BOX #2



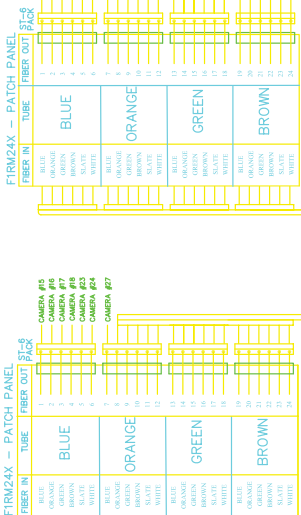
CCTV BOX #1



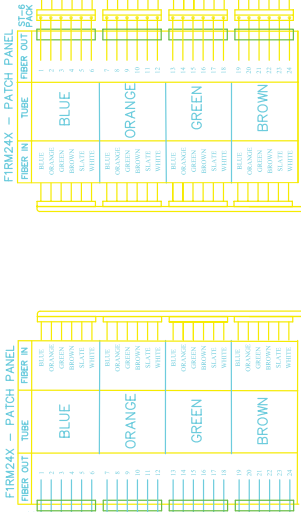
CCTV BOX #3



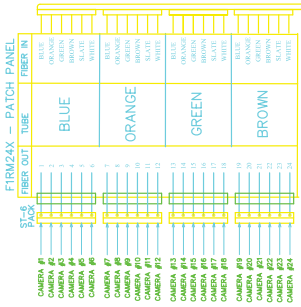
CCTV BOX #4



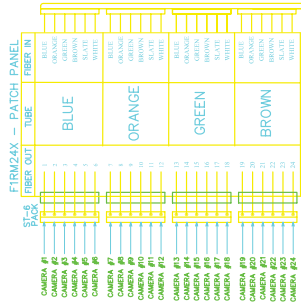
CCTV BOX #5



CER RACKMOUNT #2



CER RACKMOUNT #1



PROJECT  
PIDS CCTV SYSTEM  
REPLACEMENT PROJECT

DRAWING TITLE  
PIDS CCTV SYSTEM  
REPLACEMENT PROJECT  
FIBER OPTIC CABLE  
DISTRIBUTION

DATE	10/1/2011
DESIGNED BY	W. J. BROWN
CHECKED BY	W. J. BROWN
IN CHARGE	W. J. BROWN
PROJECT MANAGER	W. J. BROWN
DATE	10/1/2011

05-008-RR-02

