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DOCUMENT TITLE Camera configuration for import to Milestone XProtect

> DOCUMENT REFERENCE NUMBER AUTO-50124-22006-a

> > DOCUMENT DATE 14/03/2019



## 1 DOCUMENT CONTROL

#### 1.1 Document Control Reference

ORIGINATOR	CHECKED	APPROVED FOR ISSUE
Signature	Signature	Signature
Sile	Phier	MRoum.
Name	Name	Name
Simon Clark	Patrick Biggin	Mark Rowan
Position	Position	Position
Technical Support	Associate Director	Director
Date	Date	Date
14/03/2019	14/03/2019	14/03/2019

### 1.2 Document Issue / Revision Record

VERSION	DESCRIPTION OF AMENDMENT	DATE	NOTES	ORIGINATOR	CHECKED
А		14/03/2019		SC	PB

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#### 3 OVERVIEW

This document describes the process on how to configure and add a cameras to a Milestone XProtect system.

#### 4 PROCESS

1. A primary requirement is access to a **Milestone Corporate 250** Design Automator Commissioning Sheet. This may be derived from a Hardware Sheet by submitting a '*Design Automator ready*' CAD (.dwg) file populated with the required camera configuration.

Throughout this document camera 002 will be used as an example. Take note of specific camera details such as IP address, Gateway, Subnet Mask and MAC Address in the camera block shown below.

	C 07	002 FO	
43	100%	, 0	
Enhanced Attribut	Editor		
Block: CCTV TagV	4	S	elect block
tribute Text Options	Properties		
Tag	Prompt	Value	^
c	System Code	с	
REF	Component Reference	002	
PI	Package Identifier	FO	
CC	Commissioning Code		
SH	Screen Height e g 100% = ld	entifyetc 100%	
A	Audio		
FOCALLTH	Focal Length:	2-0	
FL	Floor e.a. "GF" = Ground Flo	oretc 07	
LONGNAME	Long Name	0	
HOUSING	Housing Type	0	
CAMHEIGHT	Camera Height	<u>.</u>	
IPADDRESS	I.P. Address	10.10.10.1	6
CONTROLLER	Controller	0	
CHANNELINPUT	Channel Input	0	
RFPREF	RFP Reference	0	
GATEWAY	Gateway	10.10.10.2	54
SUBNETMASK	Subnet Mask	255.255.25	i5.0
SWITCH	Switch	540	
SWITCHPORT	Switch Port	127	
NOOFPORTS	No. of Ports	120	
MACADDRESS	MAC Address	BCC34216	7554



2. Run the Hardware Sheet function in CCTV Tools in the Automation section. Upload the CAD drawing then click Process to execute.

Aut 🔅 mator	ይ ቆ		Q 🖌 Q <sup>0</sup> 🛛
Automation	CCTV Hardware Sheet Schedule of end devices.		
CCTV Tools	Upload files		
Hardware Sheet	Drag and drop files here [.dwg]	Olish have to us load a	
	Upload queue	Click nere to upload n	nuitiple files
	Name	Status	Actions
	Data_Centre_test_file.dwg	*	O Upload Cancel D Remove
		•	
	Go Optioau all O Cancel all U Remove all		

The resultant Hardware Sheet will look similar to the screen shot below.

° <sup>C</sup>					HA	RDWA	RE SH	HEET tomator
Hardware								
Hardware Reference Desc	ription Device Name	Device Type	Secure/Non	Longitude	Latitude	Mac Address	IP Address	Controller
Hardware Reference Desc C-07-001	ription Device Name CCTV - 82599 - Type 99 - Special Passenger Lift	Device Type CCTV Type 99	Secure/Non	Longitude -0.084181638	Latitude 51.52145202	Mac Address	IP Address	Controller 0
Hardware Reference Desc C-07-001 C-07-002	ription Device Name CCTV - 82599 - Type 99 - Special Passenger Lift CCTV - 82543 - Type 43 - 4MP External Recessed	Device Type CCTV Type 99 CCTV Type 43	Secure/Non N/A N/A	Longitude -0.084181638 -0.084174817	Latitude 51.52145202 51.52145202	Mac Address	IP Address 10.10.10.251 10.10.10.16	Controller 0 0
Hardware Reference Desc C-07-001 C-07-002 C-07-003	ription Device Name CCTV- 82599 - Type 99 - Special Passenger Lift CCTV- 82543 - Type 43 - 4MP External Recessed CCTV- 82512 - Type 12 - 1MP Internal Surface	Device Type CCTV Type 99 CCTV Type 43 CCTV Type 12	Secure/Non N/A N/A N/A	Longitude -0.084181638 -0.084174817 -0.084038814	Latitude 51.52145202 51.52145202 51.52145202	Mac Address 003046FF827C BCC342167554 0800239C0CD0	IP Address 10.10.10.251 10.10.10.16 10.10.10.15	Controller 0 0

Expanding for clarity...

53

Hardware										
Reference	Description	Device Name	Device Type							
C-07-001		CCTV - 82599 - Type 99 - Special Passenger Lift	CCTV Type 99							
C-07-002		CCTV - 82543 - Type 43 - 4MP External Recessed	CCTV Type 43							
C-07-003		CCTV - 82512 - Type 12 - 1MP Internal Surface	CCTV Type 12							
C-07-004		CCTV - 82511 - Type 11 - 1MP Internal Recessed	CCTV Type 11							

					_	
	Secure/Non	Longitude	Latitude	Mac Address	IP Address	Controller
	N/A	-0.084181638	51.52145202	003046FF827C	10.10.10.251	0
↦	N/A	-0.084174817	51.52145202	BCC342167554	10.10.10.16	0
	N/A	-0.084038814	51.52145202	0800239C0CDC	10.10.10.15	0
	N/A	-0.084029699	51.52145202	00408CE37ED4	10.10.10.180	1



3. Generate one or more Commissioning Sheet by submitting the Hardware Sheet previously generated by executing the Commissioning Sheets function in CCTV Tools within the Automation section of the menu.

Ensure the *System type* is set to **Milestone** and **Corporate 250** is selected for the *Recorder Type*.

Aut: Smator	ይ ቆ				۹	1	۵.	0
<ul> <li>User Admin</li> <li>Departments Admin</li> </ul>	CCTV Commission Schedule of all end devices per contro	ing Sheet lier to be commissioned.						
DNA Tools	Upload file							
Jesign Tools	Drag and drop file here [	one .xisx file]						
CAD Tools	Name		Status	Actions				
Design Assistant	AUTO - Data_Centre_test_ [20190314114635SC].xisx Queue Progress	file - CCTV CAD to Hardware Sheet	~	Cancel Dicad Cancel	1			
CCTV Tools								
CCTV Error Check Hardware Sheet Revision Tracker Design Wizard Bill of Quantities	System Configuration System type Recorder Type	Milestone Corporate250			•	1		
Cable Estimation Commissioning Sheets	Create Site Nomenclature Nomenclature type	Structured				1		

#### Examining a Commissioning Sheet exposes elements of camera configuration.

<i>i</i> 0;																
õ								C	CTV C	OM	IMI	SSIO	NING	SF	IEF	ΞT
													Design	Aut	oma	ator
Milestone XProtect Corpor	ate VMS															
Name	EU-LDN-CST-RECORDER-0	11	Encryption value				Datagram MTU									
Description			Archive Name				Datagram TTL									
Location			Archive Path			S	Software Version									
Web server URL		Archi	ve Retention time (Days)			S	chematics Code	Milestone -	Corporate250 -	CCTV						
Time Zone	(GMT) Greenwich Mean Tim	e : Dublin, Edin <b>e</b> co	bive Maximum size (GB)				Panel Labelling									
Recording server serial number			Schedule				Panel Sheet									
Recording server MAC Address			Reduce frame rate													
Recording server IP address		Fail	over server primary group													
Recording server Subnet mask		Secon	dary server failover group													
Recording server Gateway			Hot standby server													
Total recording storage (GB)			Failover port (TCP)													
Storage Name		N	Aulticast IP address start													
Storage Path		1	Multicast IP address end													
Storage Retention time (Days)			Port start													
Recording Maximum size (GB)			Port end													
Signing		Source IP a	ddress mutliple streams													
						_										_
								3	-		÷	F			2	0
ftch								eferen	te #	Ψ.	ode #	ode #	te #2	¥	ode #	ode #
Š								C #	Ra	noi	2	WP C#	Ra	Loi	NC	NP
е́ ч								vici	sol	1cm	ear	con	soli	ter	ear	COL
S d .						(	3PS	Co De	Re F	Re	Sti	Co Re	Fra	Re	Sti	Re
Camera CAMERA DODTO	Device Type Source A	ddress Device #	Description	IP Address	MAC Address	Latitude	Longitude									_
CAMERA PORTS																
	007/7 00	0.07.004	5111 DN COT O 47 404 /	40.40.40.004	003040770030	54 50445000	00.0044040	0074 105	05 05 0.0	- 20	1	2.0550	05.050-0	- 24	-	-
1 1 IN 1 (CH 1)	COTV Type 99	C-07-001	EU-LUM-CST-C-07-001-C	10.10.10.251	003046FF82/C	51.52145202	-00.0841816	COTV JPE	20 352X2	30	3	3 JPEG	20 35232	24	3	3
1 2 IN 2 (CH 2)	COTV Type 43	C-07-002	EU-LUTI-CST-C-07-002-C	10.10.10.16	000342167554	51.52145202	-00.0841748	COTV H264	10 10 640X3	28	3	3 1264 1	15 640%3	24	3	3
1 3 IN 3 (CH 3)	CCTV Type 12	C-07-003	EU-LUM-C31-C-07-003-0	10.10.10.15	0000239C0CDC	51:52145202	-00.0840388	ULIV JPE	a 10 1280x	- 30	3	3 JPEG	10 640%4	Z4	- 5	3

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The following screen shot shows Camera Port information in greater detail. Key elements for camera 002 are highlighted red. These values are populated from the related fields in the client DNA. If required these fields in the Commissioning Sheet may be manually edited before passing on to the Configuration Files function.

		_														
NVR / Switch	Port															
		Camera	Devic	е Туре	Source Address	Device #	Descripti	on			IP Addr	ess	MAC	Addr	ess	
CAM	ERA PC	ORTS														
1	1	- IN 1 (CH 1)	CCTV			C 07 00		CST	C 07	7 00	1 CAM 10 10 1	0.2	51 0030/	INCE	8270	
1	2		CCTV	Type 99		C-07-00		CST	C-07	-00	2-CAM 10.10.1	0.2	6 BCC3	1216	3755	, A
1	3	IN 3 (CH 3)	CCTV	Type 12		C-07-00		CST	C-07	7-00	3-CAM 10.10.1	0.1	5 08000	300		r C
				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												
				e Reference	c #1	e Rate #1	ution #1	tion #1	m Mode #1	d Mode #1	c #2	e Rate #2	ution #2	tion #2	m Mode #2	
				evic	ope	ame	ose	eter	rea	BCOI	ope	ame	esol	eter	rea	000
		GPS		õ	Ŭ	ц	Ř	Ř	St	Ř	ŏ	ц	Å	Ř	S	Ó
Latitu	lde	Longitude														
51.5	52145202	2 -00.0841	8164 0	CCTV JPE	G	25	352x240	30	3	3	JPEG	25	352x240	24	3	
_								_	-	-						-
51.5	52145202	2 -00.0841	7482 0	CCTV H26	4 Baseline Profil	e 15	640x360	28	3	3	H264 Baseline	15	640x360	24	3	

# 4. Click System Configuration Files in CCTV Tools within the Configuration section.

Aut 🔅 mator	8 B		Q 🖌 Q <sup>0</sup> 🛛		
Configuration	CCTV System Configuration Files Automated end system programming files to be imported.				
CCTV Tools     System Configuration Files	Upload files	r milectone pro opivil			
IHAS Tools	Drag and urop mes nere				
	Upload queue Name	Status	Actions		
	AUTO - AUTO - Data_Centre_test_file - CCTV CAD - EU-LDN-CST [20190314122235SC]-01.xlsx	~	Cancel D Remove		
	Cubud Frugiess				
	Process				





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Upload one or more of the Commissioning Sheets then click **Process** to run the function.

On completion the function will generate a .zip file.

AUTO - Design Automator - System Configuration [20190314133502SC].zip

For this example the .zip file contains four files generated by <u>one</u> Commissioning Sheet.

AUTO - AUTO - Data\_Centre\_test\_file - CCTV CAD - CCTV Usage Report [20190314133502SC].docx
 AUTO - AUTO - Data\_Centre\_test\_file - CCTV CAD - EU-LDN-CST [20190314122235SC]-01[20190314].xlsx
 AUTO - Design Automator - System Configuration [20190314133502SC].auto
 AutoImporter.exe

The files are: -

- The CCTV Usage Report is a Word document that contains information related to when the function was run such as input and output files, date, time, and user name. This file may be thought of as a receipt for audit purposes.
- The file **CCTV CAD EU-LDN-CST** [... is a copy of the Commissioning Sheet submitted.
- The **.auto** file is the actual system configuration file.
- Finally **AutoImporter** is the executable used to migrate camera details held in the system configuration file to the Milestone XProtect server.
- 5. Copy the **.zip** file to a clean folder on the XProtect server and right-click the .zip files extract the content.
- 6. Run **AutoImporter.exe** and the Design Automator Camera Importer tool interface will appear -



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😳 Design Automator Camera Importer		2 <del></del>	×	
LOGIN		LOG		
Management Server Address:				
Auth Type:	Basic Authentication	v		
User Name:				
Password				
RECORDING SERVER				
Recording Server Name:				
Group Name:				

Enter relevant information in the required fields. Three Authentication Types are offered: -



Click **Process** and the Importer will attempt to transfer the camera records. The LOG window will report actions and discoveries. For example: -

#### LOG

Login succeed Querying and configuring storage list for the new cameras

Will now attempt to add: EU-LDN-CST-C-07-002-CAM Hardware add task: Success Camera added successfully: EU-LDN-CST-C-07-002-CAM

Will now attempt to add settings for: EU-LDN-CST-C-07-002-CAM Video stream 01 – Frames per second: Value 15 set successfully Settings updated for Video stream 01 Video stream 02 – Frames per second: Value 15 set successfully Settings updated for Video stream 02 Settings update completed for camera EU-LDN-CST-C-07-002-CAM

Importing completed.



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Any cameras that currently exist on the system with the same name will activate an alert in the log.

These cameras already exist on the server:

EU-LDN-CST-C-07-003-CAM EU-LDN-CST-C-07-003-CAM EU-LDN-CST-C-07-004-CAM

Do you want to overwrite the properties?



An option is offered to overwrite if required.

-000-