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### HowTo: MIPSDK

**Connection: Milestone XProtect Professional/Corporate/Enterprise** 

Note: This documentation does not replace the manufacturer's documentation.

#### **1. Server settings**

To connect WinGuard and MIPSDK, the server must be configured correctly. If cameras are visible on the server, this does not automatically mean that WinGuard can access them. All server settings are made in the Milestone Management Application. Typical error sources:

#### • Ports blocked by firewall

By default, the Milestone Server communicates via port 80, 443, 7563 and 22333. Port 80 is often used as the default port by other applications (including the WinGuard WebServer). Afterwards you should make sure that the ports are also passed through in the Windows firewall. **Note**: A list of TCP/IP ports used in XProtect Advanced VMS products can be found on the Milestone Systems website (<u>https://developer.milestonesys.com/s/article/TCPIP-ports-used-in-XProtect-Advanced-VMS-products</u>)

#### 2. Installation

In addition to the normal installation of the interface, the Milestone SDK must also be installed on the client side. From its installation folder (usually "*C*:\*Program Files\Milestone\MIPSDK\Bin*" or "*C*:\*Program Files (x86)\Milestone\MIPSDK\Bin*") all files have to be copied into the "*mod\ mipsdk*" folder.

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#### 3. Create central data point

Once the interface has been created and started, it requires a central data point to connect to the Milestone server.:

1. Category: Technical

Name: Any

2. Interface: MIPSDK

Datatype: Server

Node: any number >0

Address: IP of the XProtect server
Port: Port of the server (default port is 80)

Authentication method: Usually you choose Basic here. The user must be created in the xProtect server, else

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	Interface: MIPSDK	
	Datatype: Server	
	2 Node: 1 Address:	
	Address 2:	
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	cuments Coordinates Priorities Commands Assignments Server	
	3 Address: 10.2.9.21	
	Port: 80	
	Authentication type: Basic 🗸	
	User: admin	
r	Password:	
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you can also login via the Windows-User if setup correctly.

After the data point has been created, the interface must be restarted once. If you get no error, after the data point went out of the state "unknown", the connection to the server was successful.

#### 4. Create camera data points

The automatic data supply of the interface makes it very easy to create the cameras that xProtect offers. However, a correct connection to the server has to be established

**Server:** if you connect several servers, you select the correct one here. The names correspond to the names of the respective central data points.

Data types: here you choose the type of data points you want to create, e.g. Camera

Data points: If you have selected server and data types, the available data points are offered here.

**Attention:** These are the data points available in xProtect. The data points do not necessarily all have a real camera connected. By default, xProtect offers e.g. 20 camera points, even if only 5 cameras are connected. If you have configured the server correctly, all offered points should also correspond to one camera.

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ervers	Data	points			
MIPSDK		Datatype	Name	Node	Address 2
		Internal	IF1: MIPSDK	0	
		Recorder	HVXPROTECTC2018	1	b03981d5-e069-4188-b38e-d4de678d1b
		Camera	Cam 01	1	5539fb53-87b5-42c0-9e5e-58c4f6a98cd
		Camera	Cam 02	1	77230a24-d1e0-4c35-91c2-dcfa6dd128b
		Camera	Cam 03	1	7ee8c28b-26e4-4056-b554-bea74763b5
		Camera	Cam 04	1	6594233a-b52f-4c13-a6da-647490620e
election: None All		Camera	Cam 05	1	38c9aa84-8605-4a7d-a1f5-3fc168392e3
			Cam 06	1	087e0f7b-3e99-43d8-a0cf-f6bc1367f6d
atatypes		Camera	Cam 07	1	d92adf83-ae56-4caa-a47c-f645460e892
Recorder		Camera	Cam 08	1	58ffb576-38dd-40ea-96e4-36b7e9ac793
Camera		Input	Cam 01 - Input 1	1	32d24f95-db1f-4ef5-aaa5-5ded3d43dec
🗹 Input		Input	Cam 01 - Input 2	1	b1e3ae5c-eeea-446c-9e01-a58a957f24
Output		Input	Cam 05 - Input 1	1	e72e600c-ac43-4274-8dbd-e6626fa806
🗹 Internal		Input	Cam 05 - Input 2	1	613f8b53-d81e-41ae-be28-77d4a953e6
		Input	Cam 05 - Input 3	1	0f241b95-f62b-47e1-a198-1c0b5fd90cf
		Input	Cam 05 - Input 4	1	7ef66dce-ea08-4599-bd4b-55cdb9a9588
		Output	Cam 01 - Output 8	1	936d1099-4ee1-4ac4-baf9-c1d6cd39233
election: None All		•	Cam 04 - Output 1	1	030b6852-cce7-4f42-a8c9-314f423b329
			Cam 04 - Output 2	1	3606e11f-d31b-4065-9709-76fb3e1a1f7
pdate options			Cam 05 - Output 1	1	0e82bf25-0be1-48d1-a253-fec9d5cefd2
· ·		Output	Cam 05 - Output 2	1	4cb6b3ec-8f12-4608-b08d-66534be0114
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Update hierarchy					
Convert XProtect datapoints	Def	fault			

After creating the data points, the interface must be restarted again.

Existing cameras can then already be connected.