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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

	Datapoint			
	Category: 🎲 Technical 🗸 Segment:	\sim		
	1 Name: MIPSDK			
	Description:			
	Tags: None	\sim		
	nsor			
	Number: V New Change No. Delete			
	ensor type: V			
	k			
	Interface: MIPSDK			
	Datatype: Server 🗸			
	2 Node: 1 Address:			
	Address 2:			
	cuments Coordinates Priorities Commands Assignments Server			
	3 Address: 10.2.9.21			
	Port: 80			
	Authentication type: Basic \sim			
	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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MIPSDK Automatic Data Supply				
Servers Datapoints				
MIPSDK	Datatype Name	Node Address 2		
	✓ Internal IF1: MIPSDK	0		
	Recorder HVXPROTECTC	2018 1 b03981d5-e069-4188-b38e-d4de678d1bcb		
	Camera Cam 01	1 5539fb53-87b5-42c0-9e5e-58c4f6a98cde		
	Camera Cam 02	1 77230a24-d1e0-4c35-91c2-dcfa6dd128b2		
	Camera Cam 03	1 7ee8c28b-26e4-4056-b554-bea74763b524		
	Camera Cam 04	1 6594233a-b52f-4c13-a6da-647490620e20		
Selection: None All	Camera Cam 05	1 38c9aa84-8605-4a7d-a1f5-3fc168392e35		
	Camera Cam 06	1 087e0f7b-3e99-43d8-a0cf-f6bc1367f6d0		
Datatypes	Camera Cam 07	1 d92adf83-ae56-4caa-a47c-f645460e8923		
Recorder	Camera Cam 08	1 58ffb576-38dd-40ea-96e4-36b7e9ac7938		
Camera	Input Cam 01 - Input	t 1 1 32d24f95-db1f-4ef5-aaa5-5ded3d43dec5		
🗹 Input	Input Cam 01 - Input	t 2 1 b1e3ae5c-eeea-446c-9e01-a58a957f24de		
🗹 Output	Input Cam 05 - Input	t 1 1 e72e600c-ac43-4274-8dbd-e6626fa80618		
☑ Internal	Input Cam 05 - Input	t 2 1 613f8b53-d81e-41ae-be28-77d4a953e61f		
	Input Cam 05 - Input	t 3 1 0f241b95-f62b-47e1-a198-1c0b5fd90cf4		
	Input Cam 05 - Input	t 4 1 7ef66dce-ea08-4599-bd4b-55cdb9a95889		
	Output Cam 01 - Outpu	ut 8 1 936d1099-4ee1-4ac4-baf9-c1d6cd39231b		
Selection: None All	Output Cam 04 - Outpu	ut 1 1 030b6852-cce7-4f42-a8c9-314f423b3297		
	Output Cam 04 - Outpu	ut 2 1 3606e11f-d31b-4065-9709-76fb3e1a1f7b		
- Undate options	Output Cam 05 - Outpu	ut 1 1 0e82bf25-0be1-48d1-a253-fec9d5cefd22		
opdate opdons	🗹 Output 🛛 Cam 05 - Outpu	ut 2 1 4cb6b3ec-8f12-4608-b08d-66534be0114a		
Update category				
✓ Update name				
Update description				
Update textmacros				
Update graphics	Selection: Ne	ew Existing None All		
Update presets	Template			
	Default	~		
		Execute		

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

Existing cameras can then already be connected.