

PONEMAH - NOLDUS MEDIA RECORDER QUICK START GUIDE

CONFIGURE CAMERAS WITHIN MEDIA RECORDER

- 1. Launch Ponemah
- 2. Open the appropriate Protocol file to be used for the acquisition or use the default Protocol to start.
- 3. Select Hardware | Video Configuration to launch the Noldus Media Recorder
- 4. Click the Settings button, or choose File Menu| Settings



- 5. In the Media Recorder Settings window, enable the video source by checking the checkbox under the **Use** column.
- Select your cameras from the dropdown list under Video device.
 <u>IP Cameras</u>

Use		Video name	Video device		Frame rate	Resolution	Audio name	Audio device	
L	V	Video 1	Axis IP Camera (Axis HTTP Source Filter)	ē.	30.00	640 x 480	Audio 1	No Audio	ļ
2		Video 2	Select video device	Ē.	<u>a</u>		Audio 2	No Audio	ļ
3		Video 3	Select video device			Audio 3	No Audio	ļ	
4		Video 4	Select video device	-			Audio 4	No Audio	ļ
5		Video 5	Select video device	-			Audio 5	No Audio	ļ
6		Video 6	Select video device	-			Audio 6	No Audio	ļ
7		Video 7	Select video device	B 4			Audio 7	No Audio	ļ
8		Video 8	Select video device	-			Audio 8	No Audio	ļ
F	YiP Posi YiP Size YiP Mar	Separat ition: Top - Le : 20% :gin: 5%	ft videos		Decimals: Example:	0 16:43:52 mum recording	• • • • • • • • • • • • • • • • • • •	00:00	
	0.56	audio device 1 lo	r an videos						by.

- i. Choose Axis IP Camera from the dropdown list.
- ii. Click the Camera Icon to access the advanced settings.
- iii. Enter the **IP Address** of the Camera.

Note: The IP address can be obtained using the Axis Video Software. See Media Recorder 2.6 Service Manual Page 20 for more information.

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Default Axis User Name/Password: root/root

v.	Click	OK.

IP address:	169.254.100.100
Port:	80
User name:	root
Password:	••••

7. Select the preferred Frame Rate and Resolution. The options shown in these fields are dependent on your camera type. By default the optimal combination of frame rate, resolution and color space of your camera is selected. Should you not require the frame rate or resolution auto-selected, it is recommended to lower these to your required settings to reduce video file size. Please see the Noldus Media Recorder Manual for more information.

Note: If you increase the frame rate, the maximum resolution available goes down and vice versa. If you select an impossible combination of frame rate and resolution and format, the Media Recorder gives a warning (see below).

	Use Video name Video device			Video device		Frame rate	Resolution	Audio name	Audio device			
1	1	Video 1		Euresys PICOLO U4 H.264 No/0 - VID1		30.00	1920 x 1080 🗥	Audio 1	No Audio			
2	1	Video 2	Δ	Euresys PICOLO U4 H.264 No/0 - VIE	D2 🔻 🛋	4	Invalid combinat	tion of framerate, re	solution and color	space		
3		Video 3		Euresys PICOLO U4 H.264 No/0 - VID	2		The device does	not list this combin	nation as supported.	2		
4	Video 4			Euresys PICOLO U4 H.264 No/0 - VID	4 2			Audio 4	No Audio	<u></u>		
5		Video 5		Axis IP Camera (Axis HTTP Source Filt Select video device	er) 🔤			Audio 5	No Audio	1		
6		Video 6		Select video device	24			Audio 6	No Audio	1		
7		Video 7		Select video device	84			Audio 7	No Audio	<u>u</u>		
8		Video 8 Select video device						Audio 8	No Audio	0		
Output mode: PiP Position: PiP Size: PiP Margin:		utput mode: Separate videos ▼ 1 2 P Position: Top - Left ▼ P Size: 20% ▼ P Margin: 5% ▼					HH:mm:ss	ime: 01:	00:00			
	Use	audio d	evice 1 for	all videos								

8. Optionally you can change the names of video cameras. The name specified here will be displayed within Ponemah during the camera assignment process.

	Use	Video	name	Video device			Frame rate	Resolution	Audio name	Audio device	
1		Rat 1		Axis IP Camera (Axis HTTP Source Filter)	<u></u>	10.00	640 x 480	Audio 1	No Audio	ġ
2	V	Rat 2		Axis IP Camera (Axis HTTP Source Filter)	Ē4	10.00	640 x 480	Audio 2	No Audio	ġ
3		Rat 3		Axis IP Camera (Axis HTTP Source Filter)	<u>i</u> 4	10.00	640 x 480	Audio 3	No Audio	ġ
4	V	Rat 4		Axis IP Camera (Axis HTTP Source Filter)	<u>i</u> 4	10.00	640 x 480	Audio 4	No Audio	ġ
5		Video 5		Select video dev	rice	<u> </u>			Audio 5	No Audio	ġ
5		Video 6		Select video dev	rice	<u> </u>			Audio 6	No Audio	ġ
7		Video 7 Select video device				<u> </u>			Audio 7	No Audio	ġ
3		Video 8 Select video device				<u> </u>			Audio 8	No Audio	ġ
Output settings Output mode: PiP Position: PiP Size: PiP Margin:		Position: Top - Left Position: 20% 2 Margin: 5% Use audio device 1 for all videos				1	imer settings Time format: Decimals: Example: Use maxi	HH:mm:ss 0 16:43:52	• • • • • • • • • • • • • • • • • • •	00:00	

9. Use the dropdown menu associated with **Output mode** to select **Separate videos**.

Note: Noldus Media Recorder v2.6 supports Picture-in-Picture (PIP) presentations during acquisition; however, Ponemah will not keep this presentation during playback of video files in Replay or Review.

- 10. It is recommended to leave the *Timer* settings set to the default values.
- 11. Click **OK**. The Media Recorder window now shows the selected cameras, settings and a preview of the videos.
 - a. You can change the order of the video cameras by dragging and dropping rows. Click the Refresh button after you have done this.
- 12. Once camera setup is complete, choose File | Exit to close Media Recorder and return to Ponemah to complete Protocol setup.

ASSIGNING CAMERAS TO GROUPS WITHIN PONEMAH

Once the cameras are configured within Noldus Media Recorder, these cameras must be grouped with the physiologic data you wish to associate and sync the video data to within the Ponemah Protocol Setup.

- 1. Select the Setup Menu | P3 Setup
- 2. Choose Groups from the options on the left
- 3. Under the Video column, use the dropdown menu to select the appropriate video camera.

Channel Input Setup	Group Informatio	n				
Template Setup	Group	Name	Trigger	Camera	Species	
Fvents	Group A	732280	1 - (Temp)	Rat 1	Rat	
Digital Display Setup Alarm Setup Experimental Protocol Head Print RAW Data Setup Data Reduction Setup Variability Analysis Graph Setup Binary Data Convert	Group B	732283	3 - (Temp)		Rat	
	Group C	732279	5 - (Temp)	Rat 1 Bat 2	Rat	
	Group D	729273	7 - (Temp)	Rat 3	Rat	
	Group E	Group E		Rat 4 Video 5	Dog	
	Group F	Group F		Video 6	Dog	
	Group G	Group G		Video / Video 8	Dog	
	Group H	Group H			Dog	
Settings Remote Connection	Group I	Group I			Dog	
Data Parser Setup	Group J	Group J			Dog	
	Group K	Group K			Dog	
	Group L	Group L			Dog	
	Group M	Group M			Dog	
	Group N	Group N			Dog	
	Group O	Group O			Dog	
	Group P	Group P			Dog	

Note: Camera data is associated with a particular Ponemah Group and will therefore be synchronized with the data from the physiologic channels assigned to the same group, as defined in the Channel Input Setup.

	Group	1 mm		Trigger	Camera	Inecies						
Groups	Group A	722280		(Temp)	Pat 1	pecies						
zvents Digital Dicplay Setup	Group B	732283	3	3 - (Temp)	Rat 2	Bat						
Alarm Setup	Group C	732279	5	5 - (Temp)	Rat 3	Rat						
Experimental Protocol Head	Group D	729273	7	7 - (Temp)	Bat 4	Bat						
Print RAW Data Setup	Group E	Group E	1	(1011)		Dog						
Variability Analysis	Group F	Group F	1	PPP3 Setup - Channel Input Setup								
Graph Setup	Group G	Group G	1			-Ar						
Binary Data Convert	Group H	Group H		- PPP3 Setu	p	- Channel Input Setup						
Settings	Group I	Group I	1	1			_				-	
Data Parser Setup	Group J	Group J	1.	Channel In	put Setup	Input	Analysis	Label	Units	Group	Precision	
	Group K	Group K	1.	Groups	setup	1 - (732280 - Temperature)	TEMP	Temp	Celsius	A	00.00	
	Group L	Group L	Ť.	Events		2 - (732280 - Activity)	ACT	Activity	Counts	A	00.00	
	Group M	Group M		Digital Disp	olay Setup	3 - (732283 - Temperature)	TEMP	Temp	Celsius	В	00.00	
	Group N	Group N	1	Alarm Setu	ip In Desta cal Mand	4 - (732283 - Activity)	ACT	Activity	Counts	В	00.00	
	Group O	Group O	1.	Print RAW	Data Setup	5 - (732279 - Temperature)	TEMP	Temp	Celsius	С	00.00	
	Group P	Group P	1	Data Reduction Setup		6 - (732279 - Activity)	ACT	Activity	Counts	С	00.00	
		1		Variability A	Analysis	7 - (729273 - Temperature)	TEMP	Temp	Celsius	D	00.00	
				Graph Setu	ip Comment	8 - (729273 - Activity)	ACT	Activity	Counts	D	00.00	
				Settings Remote Connection Data Parser Setup	9	DIS	CHN9	volts	A	00.00		
					10	DIS	CHN10	valts	A	00.00		
					11	DIS	CHN11	volts	A	00.00		
						12	DIS	CHN12	volts	A		
						13	DIS	CHN13	volts	A	00.00	
			-			14	DIS	CHN14	volts	A	00.00	
						15	DIS	CHN15	voits	A	00.00	
						16	DIS	CHN16	volts	A	00.00	

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PPP3 Setup - Settings - PPP3 Setup	- Settings			
Channel Input Setup Template Setup Groups Events Digital Display Setup Alarm Setup Experimental Protocol Head Print RAW Data Setup Data Reduction Setup Variability Analysis Graph Setup Binary Data Convert Settings Remote Connection Data Parser Setup	Acquisition Default Logging Method : © Time (hh.mm © Epoch 10 Save RAW Dat © Link Video Sav © Link Video Sav © Link Video Sav © Comma © Space © Comma © Tab/Quote	s	Global Log Val Grot Minimu Bad Da	Replay Defaults Logging Method and Rate Image: Comparison of the second
1				OK Cancel Apply

- 5. Click **OK**.
- 6. Save the Protocol file by selecting **Functions** | Save Protocol.
- 7. Video recording will commence upon starting an acquisition.

For more information, please see the Noldus Media Recorder Reference and Service Manuals.

