Summary supported devices

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Summary supported devices

What information are you looking for?

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Supported devices for EthoVision XT

The table below shows the maximum supported (1) resolution, (2) frame rate (fps), (3) color space, (4) number of devices and (5) recording time (hours). All tests were carried out on a Dell Precision T3640 PC with a Euresys Picolo Alert card, card driver MultiCam 6.15.13573. When four cameras were tested in one recording, separate videos were made.

	Device	Resolution	Frame rate	Color space	No of devices	Recording time
	Ikegami B/W ICD-49 PAL	768 x 576	25	YUY2 RGB32	1	0.5
	Panasonic WV-CP504 NTSC	640 x 480	30	YUY2	1	0.5 18 60
	Analog PAL/CCIR (separate videos)	768 x 576	25		4	24
	Analog NTSC/EIA (separate videos)	640 x 480	30		4	24
	Basler USB acA1920-155um	1920 x 1200 1920 x 1080 800 x 600	60	Y800	1	0.5
	Basler USB acA2040-90uc*	2040 x 2046	5 10 25 50	Y800	1	8
	Basler acA2040-90uc*	2040 x 2046	25		1	1
	Basler acA2040-90uc**	2040 x 2046	25		1	48
	Basler acA2040-90uc (on Dell 3541 notebook)	1920 x 1200	60		1	10
	Basler acA1300-60gm mono	1280 x 1024 1024 x 768 800 x 600 640 x 480	60	Y800	1	0.5

	Basler acA1300-60gm mono	1284 x 1025	25 60	Y800	1	8
	Basler acA1300-60gm mono	1280 x 1040	40	Y800	4	24
	Basler acA1300-60gm mono	960 x 640	30 60	Y800	4	24
	Basler acA1300-60gm mono*	1280 x 960	60	Y800	4	1
	Basler acA1920-40gc color	1920 x 1200	25	RGB32	1	18
	Axis M1075-L	1920 x 1080	25 30		1	16

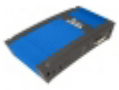
* Tested with output quality settings “EthoVision” and “DanioVision”.

** Tested with output quality setting “EthoVision”.

Important: The file size of a 8, 10, 16, 18, 24 and 60 hours recordings is very large.

Supported devices for The Observer XT - stationary set-up

The table below shows the maximum supported (1) resolution, (2) frame rate (fps), (3) number of devices and (4) recording time (hours). Tests were done on a Dell Precision T3620 PC

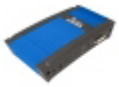
	Device	Resolution	Frame rate	Number of devices	Recording time
	Axis M5525 (separate videos, line-in audio and camera audio*)	1920 x 1080	25 30	4	3
	Axis M5525 (Picture-by-picture & Picture-in-picture, line-in audio)	1920 x 1080	30	4	3
	Axis M5054	1280 x 720	30	1	3
	Axis M1065-L (separate videos, line-in audio and camera audio)	1920 x 1080	25	4	2
 	Axis M5525 + M1065-L (separate videos, line-in audio and camera audio)	1920 x 1080	30	2+2	3
 	Axis M5525 + Epiphan Pearl Nano (separate videos, line-in audio and camera audio (broadcaster no audio))	1920 x 1080	25	3+1	3
 	Axis M1065-L + Epiphan Pearl Nano (do NOT use Picture-in-picture or picture-by-picture)	1920 x 1080	30	3+1	2

  	Axis M5525 + M1065-L + Epiphan Pearl Nano (separate videos, line-in audio and camera audio (no audio broadcaster))	1920 x 1080	30	1+2+1	3

* Camera audio = audio over RTSP

Supported devices for The Observer XT - portable set-up

The table below shows the maximum supported (1) resolution, (2) frame rate (fps), (3) number of devices and (4) recording time (hours). Tests were done on a Dell 3551 notebook.

	Device	Resolution	Frame rate	Number of devices	Recording time
	Axis M1075-L (separate videos, line-in audio and camera audio*)	1920 x 1080	25 30	2	1
	Axis M1075-L (Picture-by-picture and Picture-in-picture, line-in audio and camera audio)	1920 x 540	25 30	2	1
 	Axis M1075-L + Epiphan Pearl Nano (separate videos, line-in audio and camera audio (no audio broadcaster)) (do NOT use picture-by-picture or picture-in-picture)	1920 x 1080	25	1+1	16
 	Axis P1375 + Nikon ME-W1 microphone (separate videos, picture-by-picture & picture-in-picture, camera audio only)	1920 x 1080	30	2	1
  	Axis P1375 + Epiphan Pearl Nano + Nikon ME-W1 microphone (separate videos, picture-by-picture & picture-in-picture (broadcaster view in camera view), camera audio only)	1920 x 1080	30	1+1	1
	Logitech Brio* (separate videos, Picture-by-picture & Picture-in_picture, camera audio only)	1920 x 1080	30	2	1

	Logitech Brio*	4096 x 2160	10	1	0.5
	Logitech Brio* + Epiphan Pearl Nano (separate videos, Picture-by-picture & Picture-in-picture, line-in audio)	1920 x 1080	30	1+1	1
	Logitech Brio* + Epiphan Pearl Nano (separate videos, Picture-by-picture & Picture-in-picture, Logitech Brio microphone)	1920 x 540	30	1+1	1

* When using the Logitech Brio camera you have to change the Color space to MJPG. See Show frame rate, resolution and format.

Supported devices for FaceReader

MediaRecorder videos from all the supported devices can be analyzed by FaceReader, but the files from the individual devices have not been tested with this program.

It is important to select **FaceReader RPPG** as the output quality setting if you use the Remote Photo Plethysmography module in FaceReader. The recorded videos are only slightly compressed with this setting for optimal analysis of heart rate and heart rate variability.