

Photometrics 社製 Cascade2-512B 設定方法(Rev 1.01)

Step1: Meta Imaging Series Administrator の設定

- 1) カメラに付属されてきます PVCAM ドライバを使用する PC にインストールします。(V2.7.5.6 以降)
- 2) [Meta Imaging Series Administrator]を起動させ[Configure Hardware] [Configure Acquisition]を 選びます。
- 3) [Available Drivers]リストから[Photometrics]を選び[Add>>]ボタンで[Installed Drivers]リストに 移動させます。
- 4) [Installed Drivers]リストに移動した[Photometrics]を選び[Configure]ボタンを押します。
- 5) 各 Tab の諸設定を次のとおりにします。

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Special BOF/EOF Handling Version	Special BOF/EOF Handling Version
Camera Defect Correction ADC Offsets	Camera Defect Correction ADC Offsets
Camera:	
Board Type: PCI Model 2 (Windows 2000/XP)	List of CCD chip defects:
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Temperature: -70.00	Remove Defect
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properly when the camera	
Open Delay: 0 ms. is turned on just before the	
Close Delay: 0 ms.	
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Choose this o interrupt signa safest choice camera with a O Assume signa	pion to run a test at startup to det ling behavior of your camera. Thi but the test can be noticeably lon slow transfer speed.	ermine the s option is the g if you have a	Camera Firmwar Firmware Versi Version 8.00 o can be specifi	e Version on: 8.50 Query r later is required to support expose with microsecond resolution.	for Version sure times that
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Choose this o behavior of yo will skip the st assumption is	ption when you know that the inte our camera is NOT working proper artup test but may cause streamin incorrect.	rrupt signaling ly. This option g to fail if the Reset			
	OK キャンセ	▶ 適用④		OK キャンセ	ル 道用(益)

- 6) すべて確認しましたら[OK]ボタンを押し設定を確定し、Administratorを終了します。
- 7) MetaMorph を起動し、[Acquire]メニューの[Acquire]で CCD カメラの設定ボックスを表示させ Special タブの Digitizer、Gain、EM Gain を必要に応じて設定します。

Digitizer に 10MHz(EM Gain)または、5 MHz(EM Gain)を選んだ場合のみ EM Gain 設定が可能 となります。ただし Multi Dimensional Acquire を使用する場合は、Acquire ボックスの EM Gain と MDA の Wavelength タブの EM Gain はリンクしていませんので、使用する各波長ごとに EM Gain を 設定しなければいけません。

Display Acquire Correct Annotate Special			Display Acquire Correc	t Annotate Special
Digitizer:	10MHz (EM Gain)		Digitizer:	5MHz (EM Gain)
Gain:	Gain 3 (4×)		Gain:	Gain 3 (4×)
EM Gain:	1500 🖃 🔳 📄		EM Gain:	1500 🚍 🔹 📄
Camera Shutter:	Always Open 💽		Camera Shutter:	Always Open 🗨
Clear Mode:			Clear Mode:	CLEAR PRE SEQUENCE
Clear Count:	2 🚍 Info		Clear Count:	2 \Xi Info
Frames To Avg:	1 🗄		Frames To Avg:	
Trigger Mode:	Normal (TIMED)		Trigger Mode:	Normal (TIMED)
Live Trigger Mode:	Normal (TIMED)		Live Trigger Mode:	Normal (TIMED)
📄 Show Focus Indicator	·		🔲 Show Focus Indicator	



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Display Acquire Correc	t Annotate Special	Display Acquire Correc	t Annotate Special
Digitizer:	5MHz (Standard)	Digitizer:	1 MHz (Standard) 🗨
Gain:	Gain 3 (4x)	Gain:	Gain 3 (4x)
Camera Shutter:	Always Open 💽	Camera Shutter:	Always Open 🔍
Clear Mode:		Clear Mode:	CLEAR PRE SEQUENCE
Clear Count:	2 🚍	Clear Count:	2 🕂 🔝 Info
Frames To Avg:	1	Frames To Avg:	
Trigger Mode:	Normal (TIMED)	Trigger Mode:	Normal (TIMED)
Live Trigger Mode:	Normal (TIMED)	Live Trigger Mode:	Normal (TIMED)
📄 Show Focus Indicator		📄 Show Focus Indicator	