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Enhancements for best performance with PROGRES GRYPHAX[®]

Additionally tour our recommended system requirements newsletter, please find below enhancements to set-up your customers Laptop or Desktop computer for best performance with PROGRES GRYPHAX® USB 3.0 cameras.

There are two different options to enhance performance within PROGRES GRYPHAX[®]:

- **Option 1:** Deactivate **"USB selective suspend settings"** at **Power Options** to enhance the performance.
- **Option 2:** Check correct installed driver version for USB 3.0 host controller.

Thank you for your attention! Your PROGRES GRYPHAX $^{\mbox{\tiny (B)}}$ Team



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Question:

How can I deactivate "USB selective suspend settings" for USB host controller?

Answer:

Please find below enhancements to set-up your customers Laptop or Desktop computer for best performance within PROGRES GRYPHAX USB 3.0 cameras.

(1)	Go to the control	panel	and open: "Power Optic	ons " 0	n your computer		
All C	ontrol Panel Items						- 🗆 X
← →		Search Control Panel					
Adjus	t your computer's settings	/					View by: Large icons 🔻
Pr-	Administrative Tools		AutoPlay	2	Backup and Restore (Windows 7)		BitLocker Drive Encryption
2	Color Management	đ	Credential Manager	P	Date and Time		Default Programs
	Device Manager	-	Devices and Printers		Display		Ease of Access Center
	File Explorer Options	0	File History	£	Flash Player (32-bit)	A	Fonts
•	HomeGroup		HP 3D DriveGuard	R	Indexing Options		Internet Options
0	Keyboard	穿	Language	Ì	Mouse	1	Network and Sharing Center
	NVIDIA nView Desktop Manager	<u>@</u>	NVIDIA Systemsteuerung	S	Personalization	4	Phone and Modem
1	Power Options	T	Programs and Features		Recovery	Ð	Region
	RemoteApp and Desktop Connections	p	Security and Maintenance	0	Sound	Ŷ	Speech Recognition
Ŷ	Storage Spaces	0	Sync Center		System		Taskbar and Navigation
	Troubleshooting	<u>88</u>	User Accounts	龃	Windows Defender	1	Windows Firewall
	Windows Mobile Device Center	5	Windows Mobility Center	-	Windows To Go		Work Folders



(2) Select your current or preferred power plan and go to "**Change plan settings**" of your current or preferred used power plan.

8	Power Options			· □	2				
÷	$ ightarrow ~ \uparrow $ 🗃 > Control Par	→							
	Control Panel Home	Choose or customize a power plan							
	Require a password on wakeup	A power plan is a collection of hardware and system settings (like dis	play br	ightness, sleep, etc.) that mana	iges				
	Choose what the power	now your computer uses power. Tell me more about power plans							
	buttons do	Plans shown on the battery meter							
	Choose what closing the lid	Balanced (recommended)		Change plan settings					
	does	Automatically balances performance with energy consumptio	n on ca	pable hardware.					
	Create a power plan								
•	Choose when to turn off the	O Power saver		Change plan settings					
	display	Saves energy by reducing your computer's performance where	e possil	ole.					
9	Change when the computer				~				
	sleeps	Hide additional plans			(\bigcirc)				
		O High performance		Change plan settings					
		Favors performance, but may use more energy.							
	See also								
	Personalization	High Performance with C-states disabled		Change plan settings					
	Windows Mobility Center	Copy of High Performance plan, but C-states disabled to avoid interfaces such as IEEE 1394.	d probl	ems with external high speed					
	User Accounts								

(3)

Go to option: "Change advanced power settings" and <u>deactivate</u> the USB settings:

"USB selective suspend settings"

 ✓ Edit Plan Settings ✓ → ✓ ↑ ✓ Control Panel → All Control Panel Items → Power Options → Edit Plan Settings ✓ 	Ō	Search Control Panel	× م
Change settings for the plan: Balanced Choose the sleep and display settings that you want your computer to use.			
Power Options ?	>	<	
 Turn off the display: Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power. 	d	1	
Change advanced power settings Change settings			
Restore default settings for this plan Hard disk Internet Explorer Desktop background settings Wireless Adapter Settings	^		
	-		
Plugged in: Disabled	~		
OK Cancel /	↓pply		



Question:

How do I choose the correct driver for USB 3.0 host controller?

Answer:

To secure stabile connected USB 3.0 cameras we strongly recommend using the latest driver for USB 3.0 host controller cards!

Jenoptik recommends and offers (on your price list) NEC / Renesas USB 3.0 Host Controller cards. Please note, for those cards are <u>two different</u> drivers available, depending on the date of purchase.

For on board host controller please take care the latest driver versions are installed to secure stabile connection

(1) Open "device manager" from control panel and go to the "USB 3.0 host controller card" entry.



(2) Open USB 3.0 host controller card properties and navigate to the "details" tab. Change the Property to: "**Hardware Ids**"

enesas l	JSB 3.0 (eXtensible	e Host C	ontroller - 0.96 (Microsoft) Prop >
General	Driver	Details	Events	Resources
Ø Property	Renes v	as USB 3.) eXtens	ible Host Controller - 0.96 (Microsoft)
Hardw	are Ids			~
Device	e descript	ion a path		^
Hardwa	are Ids			
Compa Capabi Status Probler Config	tible Ids ilities n code flags			



(3) To choose the correct driver version at step 4 below, please remember the first 21 figures at value

	Driver	Details	Events	Resources	
T	Renes	as Electro	inics USB	3 3.0 Host Controller	
Property	,				1
Hardw	are Ids				/
<u>V</u> alue					
PCI/V PCI/V PCI/V	EN_103 EN_103 EN_103 EN_103	3&DEV_0 3&DEV_0 3&DEV_0 3&DEV_0	194&SUE 194&SUE 194&CC_ 194&CC_	35 TS_1631103C&HEV_04 3SYS_1631103C 0C0330 0C03	

(4) Choose the correct driver version for your used USB 3.0 host controller card.

For Operation System: Windows 7, Vista, XP, Server 2008 and R2 (32 and 64-bit)

Driver version 1 for PCI\VEN_1912&DEV_0015:

USB 3.0 host controller PCI-express cards purchased 10/16/2012 and after are μ PD720202 based and require the 3.0.23.0 driver package. These units will be presented in device manager with the VID/PID: PCIVEN_1912&DEV_0015

Download link: Download driver version1 for USB 3.0 host controller

Driver version 2 for PCI\VEN_1033&DEV_0194:

USB 3.0 host controller PCI-e cards purchased before 10/16/2012 are µPD720200 based and require the 2.1.39.0 driver package. These units will be presented in device manager with the VID/PID: PCIVEN_1033&DEV_0194

Download link: Download driver version 2 for USB 3.0 host controller

For Operation System: Windows 8 / 8.1 / 10 (32 and 64-bit)

No additional drivers are needed; support is already built into the operating system.