Quintic Software Tutorial 6f

GigE 1.6MP Camera Set-up CVB

V35

- 1. Camera Driver Installation
- 2. Quintic Image Recording Platform Installation
- 3. Quintic GigE 1.6MP Camera Licensing
- 4. Camera Configuration
 - a. Ethernet Port Set Up
 - b. CVB GenICam Camera Set Up



1. Camera Driver Installation

In order for Quintic High Speed Cameras to work within Quintic Software, camera drivers need to be installed.

Once you have correctly licensed your Quintic Software (see your Licence Letter for further information on this process) you are able to access the Camera Drivers by simply clicking on '**High Speed Capture**' then '**Single**'.



As none of the Camera drivers have yet been installed, this will bring you to the following webpage (secure internet connection required):

Quintic I	Download		
and the second	<i>Please Note:</i> Yo To do this, please unblock the exe.	u may need to unblock the setup exe to complete a full installation. locate the saved Install Shield on your machine, right click it and go to "Properties -> Ge	eneral." Click "Unblock" to
AL BRITH	1) Quintic Ima system) CVB OI	ge Recording Platform (SPORTS / COACHING / BIOMECHANICS) : (Windows	5 10/11 64-bit operating
oner ann	Please rea Recording Click on th computer. asked to in completed	d ALL of the following download instructions BEFORE downloading the latest Quintic Image Platform - Please Click Here for Quintic IRP Tutorial le Quintic Image Recording Platform icon to the right to download the program onto your Once downloaded please unblock and then unzip the folder. Click on Set-up. You will be stall the following Visual C++ Runtime Libraries (64bit) program. Please click Install. Once , dose installer and return to Quintic Video Analysis Software, Camera Tab. Quintic Recording System Setup The following components will be installed on your machine: Visual C++ "14" Runtime Libraries (x64) Do you wish to install these components? F you choose Cancel, setup will exit. Install Cancel	Quintic Image Recording Platform (CVB) 2.0.2b September 2023
	2) <mark>Quintic</mark> Hig (Windows 10/1	n-Speed Camera : 64bit Quintic USB3 High-Speed Camera - CVB Driver 1 - 64 Bit operating system)	
	 Click the 6 Complete Supports 1 Click here 	Abit Quintic High-Speed Camera Driver - CVB (Common Vision Blox 14) Installation JSB3 high-speed camera for Windows 10/11 64-bit operating system to download PDF Guide for : Installation, Licensing & Camera Configuration	64bit Quintic USB3 Camera DriverSetup ~683 MB
	3) Quintic Ima system) IDS Ca	ge Recording Platform (SPORTS / COACHING / BIOMECHANICS) : (Windows meras ONLY	10/11 64-bit operating

The user is then able to select which camera drivers they wish to be installed out of the options available to them.

For the Quintic GigE cameras we would recommend the following driver:

2) Quintic High Speed Camera Driver – CVB Driver

2) Quintic High-Speed Camera : 64bit Quintic USB3 High-Speed Camera - CVB Driver (Windows 10/11 - 64 Bit operating system)

- Click the 64bit Quintic High-Speed Camera Driver CVB (Common Vision Blox 14)
- Complete Installation
 Supports USB2 bish speed samera for Windows 10/11 64 bit operations
- Supports USB3 high-speed camera for Windows 10/11 64-bit operating system
 Click here to download PDF Guide for : Installation, Licensing & Camera Configuration

64bit Quintic USB3 Camera DriverSetup ~683 MB

Once you have located the correct Camera Driver, please complete the installation by following these instructions:

- 1. Please ensure any Quintic Cameras are not connected to the computer at this stage.
- 2. Click on the Quintic Logo for the Camera Driver you require (Option 2) and select Save. Once saved run the install shield.
- 3. The CommonVisionBlox install shield will now launch.
- 4. Select 'Next' and then accept the terms in the licence agreement and then select 'Next'.
- 5. The software will now install to the default location C:\Program Files\STEMMER IMAGING\Common Vision Blox\. To continue the installation, click 'Next'.
- 6. Ensure that 'Complete' is selected as the setup type and click 'Next'.
- 7. Click 'Install' to begin the installation.
- 8. Once the set-up has been completed click on the 'Finish' button.

2. Quintic Image Recording Platform Installation

Now that the Quintic High Speed Camera Drivers have been installed, you will also require the Quintic Image Recording Platform to be installed. The Quintic Image Recording Platform Program is available on the same webpage where the Quintic Camera Drivers were downloaded from.

1. Quintic Image Recording Platform (SPORTS / COACHING / BIOMECHANICS) : (Windows 10/11 64-bit operating system) – CVB Cameras ONLY

1) Quintic Image Recording Platform (SPORTS / COACHING / BIOMECHANI system) CVB ONLY	ICS) : (Windows 10/11 64-bit operating
 Please read ALL of the following download instructions BEFORE downloading the lates Recording Platform - Please Click Here for Quintic IRP Tutorial Click on the Quintic Image Recording Platform icon to the right to download the program on the optimication of the result of the right to download the program of the install the following Visual C++ Runtime Libraries (64bit) program. Please clic completed, close installer and return to Quintic Video Analysis Software, Camera Tab. Quintic Recording System Setup The following components will be installed on your machine: Visual C++ "14" Runtime Libraries (x64) Do you wish to install these components? if you choose Cancel, setup will ext. 	st Quintic Image gram onto your ip. You will be ick Install. Once Quintic Image Recording Platform (CVB) 2.0.2b September 2023
Install	

The Quintic Image Recording Platform program is very simple to download and install.

Simply click on the Logo next to the Quintic Image Recording Platform and save this program to a location on the machine of your choice. Once downloaded please unblock and then unzip the folder.

N.B Please ensure any Quintic Cameras are not connected to the computer at this stage.

If Windows blocks the program and a pop – up window similar to below appears, please select 'More Info' then 'Run Anyway'



Click on Set-up.

> Quintic IRP Installer V2.0.2b RELEASE (2) > Quintic IRP Installer V2.0.2b RELEASE				
Name	Date modified	Туре	Size	
DotNetFX461	27/09/2023 15:32	File folder		
📳 IRP Quintic Setup	27/09/2023 15:32	Windows Installer	24,615 KB	
💽 setup	27/09/2023 15:32	Application	783 KB	

You may be asked to install the Visual C++ Runtime Libraries (64bit) program. Please click Install if so. Then follow through all the Quintic Image Recording Platform installation screens.

Once completed, a Desktop Icon will not be created, the software will run in the background once clicked within the Quintic software. If you would like to double check the Quintic Camera Capture software have been installed, you can do this through 'Control Panel' then 'Programs and Features'.

Once both the CommonVisionBlox and Quintic Image Recording Platform have been installed, you can now plug in your Quintic GigE 1.6MP High Speed Camera(s).

3. Quintic GigE 1.6MP Camera Licensing

The Quintic GigE 1.6MP High Speed Camera has to be licensed on the machine being used to capture the video footage. If the camera is not licensed, you will get a watermark on your video footage.

The camera licence key is supplied with your Quintic Camera, and this should either be a sticker on the camera box or a card supplied with the camera. You are looking for a 28-digit licence key, split up into 7 blocks of 4 (e.g. BG45-GH45-6578-VCQ5-QC98-PO98-8K9P).

In order to licence your Quintic Camera, please locate the 'License Manager'.



	·
	License Manager
	Арр
Ľ	Open
5	Run as administrator
	Open file location
邗	Pin to Start
뭐	Pin to taskbar
	Uninstall
Ш.	Uninstall

Once 'License Manager' has been clicked, a pop up will appear asking whether the License Manager can automatically collect CameraSuite Keys over the web server. Please click yes (an Internet connection is required). If you are not connected to the Internet, please click no.

🔍 Con	nmon Vision Blox License Manager	×
?	License Manager can automatically collect Ca over the web server. An internet connection is	ameraSuite keys of available devices s required.
	Press YES to continue with automatic Camera Press NO to continue without automatic key	Suite key collection. collection.
	Do you want to continue with CameraSuite k	eys query?
	Don't show this again	
		Yes No

The Common Vision Blox Licence Manager will now open.

🗬 Common Vision Blox License Manager				
File Help				
2)	Overview	Overview		
		Choose one of the following options:		
	Serial Numbers	Show Serial Numbers	Show a list of all Common Vision Blox CameraSuite, Image Manager and Foundation Package licenses available on this computer (with their expiry date where applicable).	
	Magic Numbers		You may also choose this option if you want to activate a dormant time-limited license.	
	CameraSuite	Show/Edit Magic Numbers	Show a list of all available Magic Numbers for Common Vision Blox tools. You may also add new Magic Numbers here to the 'License.ini' file Common Vision Blox is using.	
ġ	Node Locked	Enter/Edit CameraSuite Codes	Edit the CameraSuite license keys on this computer. Choose this option if you received the Common Vision Blox CameraSuite together with a GigE Vision camera that has a CameraSuite sticker on its box.	
		Trial and Node Locked Licenses	Choose this option if you want to request or activate a purchased Node Locked Common Vision Blox or a time-limited Trial license.	

Click 'CameraSuite' on the left hand panel, and then click the add licence key button on the right hand side of the window, as illustrated below.



This will pop up the licence window, where you will be able to add the 28 digit camera licence code.



Once you have input the 28 digit licence code, please click OK to finish the camera licensing process. The 28 digit code should then be listed under the 'Available CameraSuite activation codes' heading.

It is recommended that you input all of the licence codes for all of the Quintic GigE 1.6MP High Speed Cameras you want to use on the same machine.

Also, if you want to use the same Quintic GigE 1.6MP Camera on a different machine, you will have to repeat this licence process on the different machine.

4. Camera Configuration

Once the Quintic GigE 1.6MP High Speed Cameras have all been licensed, you have to configure your cameras, so that they appear in the Quintic Image Recording Platform.

a. Ethernet Port Set Up

The Quintic GigE 1.6MP High Speed Cameras require an IP Address and a Subnet Mask to be set for the Ethernet ports into which the cameras are connected.

Please now attach your Quintic GigE 1.6MP High Speed Cameras to the PC.

To set the IP addresses for the Ethernet ports which are going to be used for the Quintic GigE 1.6MP High Speed Cameras, firstly go to Control Panel > Network and Sharing Centre.



Once in the Network and Sharing Centre, select 'Change Adaptor Settings' on the lefthand side panel.







The Ethernet ports in which the Quintic GigE 1.6MP High Speed Cameras are plugged into will show 'Unidentified Network' under the Ethernet port name (e.g in the example above, Ethernet Ports 9, 10, 11 and 12 all show Unidentified Network as the cameras are plugged into these ports.



Right click on one of the Ethernet ports the Quintic GigE 1.6MP High Speed Cameras are plugged into and select 'Properties'.

Ethernet 9 Properties	\times		
Networking Sharing			
Connect using:			
Intel(R) I210 Gigabit Network Connection			
Configure	Ĩ		
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks SiNetFilter GigE Vision Filter Driver QoS Packet Scheduler Gigabit Ethemet uEye Internet Protocol Version 4 (TCP/IPv4) Microsoft Network Adapter Multiplexor Protocol 	,		
Install Uninstall Properties			
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. OK Cancel			

Locate 'Internet Protocol Version 4 (TCP/IPv4)' within the Properties menu and select 'Properties'.

This will bring up a window which will allow you to assign a Static IP address and Subnet Mask for that Ethernet Port.

Internet Protocol Version 4 (TCP/IPv4) Properties				
General				
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatical	ly			
• Use the following IP address:				
IP address:	100 . 100 . 40 . 1			
Subnet mask:	255.255.255.0			
Default gateway:				
Obtain DNS server address automatically				
• Use the following DNS server add	resses:			
Preferred DNS server:				
Alternative DNS server:				
Validate settings upon exit	Advanced			
	OK Cancel			

Select 'Use the following IP address' and use the following IP Addresses:

Camera 1 IP Address: 100.100.40.1

Camera 2 IP Address: 100.100.41.1

Camera 3 IP Address: 100.100.42.1

Camera 4 IP Address: 100.100.43.1

Camera 5 IP Address: 100.100.44.1

Camera 6 IP Address: 100.100.45.1

Subnet mask for every camera: 255.255.255.0

Once the IP address and Subnet Mask has been changed, please press OK to confirm the change.

You would have to repeat this process for every port in which you have a Quintic GigE 1.6MP High Speed Camera plugged in (e.g in this case Ethernet port 9, 10, 11 and 12 for Cameras 1, 2, 3 and 4).

Please see the example IP Addresses for a 4 Quintic GigE 1.6MP High Speed Camera set up:

Internet Protocol Version 4 (TCP/IPv4)	Properties	×		
General				
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatical	у			
• Use the following IP address:				
IP address:	100 . 100 . 40 . 1			
Subnet mask:	255 . 255 . 255 . 0			
Default gateway:				
Obtain DNS server address autom	atically			
• Use the following DNS server addr	resses:			
Preferred DNS server:				
Alternative DNS server:				
Validate settings upon exit	Advanced			
	OK Cancel			

Camera 1 IP Address & Subnet Mask

Internet Protocol Version 4 (TCP/IPv4)	Properties	×
General		
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	atically if your network supports ask your network administrator	
Obtain an IP address automaticall	у	
• Use the following IP address:		
IP address:	100 . 100 . 42 . 1	
Subnet mask:	255.255.255.0	
Default gateway:		
Obtain DNS server address autom	atically	
• Use the following DNS server add	'esses:	
Preferred DNS server:		
Alternative DNS server:		
Validate settings upon exit	Advanced	
	OK Cancel	

Camera 3 IP Address & Subnet Mask

Internet Protocol Version 4 (TCP/IPv4) Properties			
General		_	
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator		
Obtain an IP address automatical	ly		
• Use the following IP address:			
IP address:	100 . 100 . 41 . 1		
Subnet mask:	255.255.255.0		
Default gateway:			
Obtain DNS server address auton	natically		
• Use the following DNS server add	resses:		
Preferred DNS server:			
Alternative DNS server:			
Validate settings upon exit	Advanced		
	OK Cancel		

Camera 2 IP Address & Subnet Mask

Internet Protocol Version 4 (TCP/IPv4) Properties					
General	General				
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatical	ly				
• Use the following IP address:					
IP address:	100 . 100 . 43 . 1				
Subnet mask:	255.255.255.0				
Default gateway:					
Obtain DNS server address auton	natically				
• Use the following DNS server add	resses:				
Preferred DNS server:					
Alternative DNS server:					
Validate settings upon exit	Advanced				
	OK Cancel				

Camera 4 IP Address & Subnet Mask

Once the IP Addresses are set for each of the Ethernet ports, there are other Ethernet port settings that need to be changed to ensure that the ports are running at full capacity to cope with the camera feed.

Within the 'Network Connections' page, right click on an Ethernet Port with a Quintic GigE 1.6MP High Speed plugged in and select 'Properties'.

🕌 Ethernet Properties 🛛 🗙
Networking
Connect using:
Realtek PCIe GbE Family Controller
Configure This connection uses the following items:
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks File and Printer Sharing for Microsoft Networks SiNetFilter GigE Vision Filter Driver QoS Packet Scheduler Gigabit Ethemet uEye Internet Protocol Version 4 (TCP/IPv4) Microsoft Network Adapter Multiplexor Protocol
Install Uninstall Properties
Description Allows your computer to access resources on a Microsoft network.
OK Cancel

Select 'Configure'.

This will bring up the properties of the Ethernet Port. First, the settings that require changing are within the advanced tab.

Realte	ek P	Cle GbE Fan	nily Con	troller P	roperties		×
Gene	eral	Advanced	Driver	Details	Events	Power Management	

Locate 'Interrupt Moderation Rate' and have this set to 'Extreme' or the highest value it can go to.

Intel(R) I2	10 Gigabit N	Vetwork	Connec	tion #4	Properties	×
General	Advanced	Driver	Details	Events	Power Mana	agement
The follo the prop value or	owing proper perty that you n the right.	ties are a want to (vailable fo change o	or this ne n the left	twork adapter. and then sele	Click ct its
Property	<i>r</i> :			V	alue:	
ARP O DMA C Enable Energy Flow C Gigabit Interuy IPv4 C Jumbo Large S Locally Log Lir	ffload Coalescing PME Efficient Eth ontrol Moderation Moderation Moderation Noderation Noderation Noderation Noderation Noderation Noderation Noderation Noderation Noderation Noderation	emet e Mode Nate load V2 (IPv4 V2 (IPv6 d Address nt			Extreme	~
					OK	Cancel

Locate 'Jumbo Packet' and have this set to '9014 Bytes' or the highest value it can go to.

General	Advanced	Driver	Details	Events	Power Manag	ement
The foll the prop value o	owing propert perty that you n the right.	ies are av want to c	vailable fo change o	or this net n the left	work adapter. C and then select	lick its
Property	y:			Va	alue:	
ARP C DMA C Enable Energy Flow C Gigabi Interu IPv4 C Jumbo Large Large Locally Log Li	moad Coalescing • PME • Efficient Ethiontrol • Master Slave pt Moderation • Moderat	emet Rate oad V2 (IPv4 V2 (IPv6 I Address it			3014 Bytes	~
				_		

Locate 'Receive Buffers	' and have this set to '2	2048' or the highest	value it can go to.
Ir	tel(R) I210 Gigabit Network Connectior	#4 Properties ×	
	General Advanced Driver Details Ev	ents Power Management	
	The following properties are available for the the property that you want to change on the value on the right.	is network adapter. Click e left and then select its	
	Property:	Value:	
	Large Send Offload V2 (IPv4) Large Send Offload V2 (IPv6) Locally Administered Address Log Link State Event Maximum Number of RSS Queues NS Offload Packet Priority & VLAN PTP Hardware Timestamp Receive Buffers Receive Buffers Receive Solide Scaling Reduce Speed On Power Down Software Timestamp Speed & Duplex TCP Checksum Offload (IPv4)	2048	
		OK Cancel	
Locate 'Reduce Speed	on Power Down' and h	ave this set to 'Disal	bled'.
In	tel(R) I210 Gigabit Network Connectio	n #4 Properties X	
G	ieneral Advanced Driver Details E	vents Power Management	
	The following properties are available for the property that you want to change on the value on the right.	his network adapter. Click ne left and then select its	
	Property:	Value:	
	Locally Administered Address Log Link State Event Maximum Number of RSS Queues NS Offload Packet Priority & VLAN PTP Hardware Timestamp Receive Buffers Receive Side Scaling Reduce Speed On Power Down Software Timestamp Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv6) Transmit Buffers	Disabled ~	

OK

Cancel

Locate 'Speed & Duplex' and have this set to '1.0 Gbps Full Duplex' or the highest value it can go to.

General Advanced Driver Details Events Power Management The following properties are available for this network adapter. Click the property that you want to change on the left and then select its value on the right. Property: Value: Receive Buffers Value: Receive Side Scaling I.0 Gbps Full Duplex Reduce Speed On Power Down Software Timestamp Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv6) Transmit Buffers UDP Checksum Offload (IPv6) Wait for Link Wake on Ink Settings Wake on Pattern Match	c 1	Advanced	D:	D 1 1	F 1	D 14	
The following properties are available for this network adapter. Click the property that you want to change on the left and then select its value on the right. Property: Value: Receive Buffers Receive Side Scaling Reduce Speed On Power Down Software Timestamp Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv4) UDP Checksum Offload (IPv6) Wait for Link Wake on Link Settings Wake on Pattern Match v	General	Advanced	Driver	Details	Events	Power Mana	igement
Property: Value: Receive Buffers Receive Side Scaling Reduce Speed On Power Down Software Timestamp Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv6) Transmit Buffers UDP Checksum Offload (IPv6) Wait for Link Wake on Link Settings Wake on Pattern Match ▼	The foll the prop value o	owing propert perty that you n the right.	ies are a want to	available f change o	or this ne In the left	work adapter. and then selec	Click ct its
Receive Buffers Receive Side Scaling Reduce Speed On Power Down Software Timestamp Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv6) Transmit Buffers UDP Checksum Offload (IPv6) Wait for Link Wake on Ink Settings Wake on Magic Packet Wake on Pattern Match	Property	y:			Va	alue:	
	Receiv Reduc Softwa Speed TCP C TCP C TCP C UDP C UDP C UDP C Wait fo Wake Wake	ve Buffers ve Side Scalir e Speed On I re Timestamp hecksum Offf hecksum Offf hecksum Offf or Link on Link Settir on Magic Par on Pattern M	ng Power D oad (IPv oad (IPv load (IPv	4) 6) 74) 76)		1.0 Gbps Full [Juplex ∨

Locate 'Transmit Buffers' and have this set to '2048' or the highest value it can go to.

General Advanced Driver Details Events Power Management The following properties are available for this network adapter. Click the property that you want to change on the left and then select its value on the right. Value: Property: Value: Power Saving Mode 1 Priority & VLAN 2048 Receive Buffers 2048 Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv4) UDP Checksum Offload (IPv4) UDP Checksum Offload (IPv4) Value	oller Properties	troller Pro	nily Con	Cle GbE Fan	Realtek P
The following properties are available for this network adapter. Click the property that you want to change on the left and then select its value on the right. Property: Value: Power Saving Mode Priority & VLAN Receive Buffers Receive Buffers Receive Side Scaling Shutdown Wake-On-Lan Speed & Duplex TCP Checksum Offload (IPv4) TCP Checksum Offload (IPv4) UDP Checksum Offload (IPv4) UDP Checksum Offload (IPv6)	Details Events Power Management	Details	Driver	Advanced	General
Wake on Magic Packet Wake on pattern match WOL & Shutdown Link Speed	Value:	4) b) 4) b) 4) b) 4) b) 4) b) 4) b) 4) b) 4) b) 4) b) 4) b) 4) b) 4) b) b) 4) b) b) b) b) b) b) b) b) b) b	ies are a want to o ad (IPv oad (IPv oad (IPv oad (IPv oad (IPv oad (IPv oad (IPv ink Spee	Isovanecco perty that you in the right. y: Saving Mode & VLAN ve Buffers ve Side Scalir own Wake-Or & Duplex thecksum Offi thecksum Offi thecksum Offi Checksum Offi Checksum Offi Checksum Offi Checksum Offi Checksum Offi Shecksum Offi	The foll the prop value o Property Receiv Receiv Receiv Shutdd Speed TCP C TCP C TCP C TCP C UDP C UDP C Wake WOL 2
OK	OK Canool				

Within the 'Power Management' tab, ensure that the 'Allow the computer to turn off this device to save power' option is unticked.

General	Advanced	Driver	Details	Events	Power Management	
	Intel(R) I21	0 Gigabit	Network	Connecti	on #4	
	w the comput	er to tur	off this d	evice to s	ave power	
	nly allow a m	agic pac	ket to wal	ke the cor	nputer	

Once all of these settings have been changed, you would have to repeat this for every Ethernet Port in which a Quintic GigE 1.6MP High Speed Camera is plugged into.

b. CVB GeniCam Camera Set Up

Once the Ethernet settings and IP Addresses have been correctly configured, please locate 'GenICam Browser' on your PC and open this.





Common Vision Blox

GenICam Browser



Once the GenICam Browser has opened, all Quintic GigE 1.6MP High Speed Cameras plugged into the machine should appear under 'Available Devices', as highlighted below.

GenlCam Browser			
File Devices Properties View Help			
Available Devices 🔎 🔊	de 🖬 🖬 🔏 🗣		
Name	Description S	SerialNumber	UserName
✓ iii Factory			
444 USB3 Vision devices	STEMMER IMAGING		
 MIT SI GEV TL 	STEMMER IMAGING		
Filter Driver @ 00-30-64-83-BB-66			
🐟 Alvium G1-158m	Allied Vision		
Filter Driver @ 00-30-64-83-BB-67			
Alvium G1-158m	Allied Vision		
Filter Driver @ 00-30-64-83-BB-68			
Alvium G1-158m	Allied Vision		
Filter Driver @ 00-30-64-83-BB-69			
Alvium G1-158m	Allied Vision		
💙 🜉 Socket Driver @ 00-30-64-83-BB-66	ó		
Alvium G1-158m	Allied Vision		
Socket Driver @ 00-30-64-83-BB-67	/		
🐟 Alvium G1-158m	Allied Vision		
Socket Driver @ 00-30-64-83-BB-68	ŝ		
Alvium G1-158m	Allied Vision		
Socket Driver @ 00-30-64-83-BB-69	9		
🔶 Alvium G1-158m	Allied Vision		
TLPort	Silicon Software GmbH		

Each Quintic GigE 1.6MP High Speed Camera should appear twice in the GeniCam list, once under a Filter Driver and once under a Socket Driver. So for the example above, we have 4 Quintic GigE 1.6MP High Speed Cameras plugged in, as 4 appear under Filter Drivers and 4 appear under Socket Drivers.

If the Cameras do not appear in the GeniCam Browser list, you may have to press the 3x Magnifiers button. This will search for cameras outside of the current subnet.



The cameras can appear in the GeniCam browser list in three different colours.

Green means the camera is correctly configured and is able to be open.

Yellow means the camera is visible to GeniCam browser but is not in the correct IP Address Range (this is most common when opening the cameras within GeniCam for the first time).

Red means the camera is unable to be opened, this could be due to the camera having an incorrect IP Address or already having a live feed of the camera open. We require that the IP address for the Quintic GigE 1.6MP High Speed Camera matches up to the IP address that was set for the Ethernet port. You are able to do this by selecting a camera within GeniCam browser and pressing the IP button.

We recommend selecting the cameras which are listed under the 'Filter Driver'.

🚯 GenlCam Browser									- • ×
	e 🖬 🖬 🗶 🔇	₽≪.			Configu	ired Devi	ices 🕇 🎙	× 🖈 📫 🎟 🖬 🔂	
Name Image: Proceedings Name Image: Proceedings Image: Proceedi	Construction STEMMER IMAGING STEMMER IMAGING Allied Vision Alli	SerialNumber UserName	Image: Select IP Image: Select IP Image: Select IP Select IP Image: Select IP	1 X 41 - 2 255 - 0 0 - 0 Cancel	CamPo	Jred Devi	ices 1		
		Accien ID		_			\sim		
		 Assign IP IP Configuration Enable DHCP Assign tempor Assign persist 	orary IP (Force) stent IP (Static) Auto Select IP	IP 100 Subn 255 Gater 0	. 100 et . 255 way . 0	. 41 . 255 . 0 Cano	× . 2 . 0 . 0		

Please select 'Auto Select IP' and this should automatically change the IP and Subnet for the Quintic Camera, so it matches up to the Ethernet port it is plugged into. The only difference should be the last digit should be 2.

Once the IP address has changed, please press set to change this for the Quintic Camera.

Once the IP Address has changed, a Pop up window will appear in GeniCam asking whether you would like to make the IP Address persistent (static), please press Yes.



You will have to repeat this process for each of the Quintic GigE 1.6MP High Speed Cameras you have plugged into your machine.

me Description SerialNumber UserName	/ai	lal	ble Dev	ices	0) 😰 🖬 🖬 🕯	ΧŦ.	***	
Image: Pactory Factory Image: Pactory STEMMER IMAGING Image: Pactory Filter Driver @ 00-30-64-83-BB-67 Image: Pactory Filter Driver @ 00-30-64-83-BB-68 Image: Pactory Alvium G1-158m Image: Pactory Allied Vision Image: Pactory Alvium G1-158m Image: Pactory Allied Vision Image: Pactory Alvium G1-158m Imag	ne	_				Description	Sei	rialNumber	UserName
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Once the IP Addresses have been set for all the Quintic GigE 1.6MP High Speed Cameras within GeniCam, they should all appear green.

If when setting IP Addresses, some cameras disappear from the list or appear in red (once the IP address has been set), please close and re-open GeniCam so that the IP address change can take place.

Now the IP Addresses have been correctly changed and all of the Quintic GigE 1.6MP High Speed Cameras are appearing green in the GeniCam list, the cameras have to be ordered (configured) so that they appear within the Quintic Image Recording Platform.

Select the Quintic camera from the Available devices that you would like to configure and click the add button at the top of the window, as highlighted below. This will send the camera over to the 'Configured Devices' list on the right-hand side of the window.

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487 USB3 Vision devices	STEMMER IMAGING		
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Please configure the cameras in the order you want them to appear in the Quintic Image Recording Platform.

CamPort 0 = Cam1,
CamPort 1 = Cam2,
CamPort 2 = Cam3,
CamPort 3 = Cam4,
CamPort 4 = Cam5,
CamPort 5 = Cam6

Con	figur	ed Dev	ices 🕇 🤳	- 🛠 ⊀ 🎁 🎟 🖬 🚯
	CamPort	Vendor	Model	Info
•	0	Allied Vision	Alvium G1-158m	IP:100.100.61.2 MAC:00-0A-47-00-05-65
•	1	Allied Vision	Alvium G1-158m	IP:100.100.60.2 MAC:00-0A-47-00-05-64
•	2	Allied Vision	Alvium G1-158m	IP:100.100.63.2 MAC:00-0A-47-00-05-67
6	3	Allied Vision	Alvium G1-158m	IP:100.100.62.2 MAC:00-0A-47-00-05-60

The Cameras should now be listed under the 'Configured Devices' list, as shown above.

Once you are happy with the order of your Quintic GigE 1.6MP High Speed Cameras and they are all appear under the 'Configured Devices' list, please press the save configuration button, as highlighted below.

Со	nfigur	ed Dev	ices 🕇 🤳	l 🛠 ⊀ 😭 🖬 🖬 🔂 –
	CamPort	Vendor	Model	Info
•	0	Allied Vision	Alvium G1-158m	IP:100.100.61.2 MAC:00-0A-47-00-05-65
۲	1	Allied Vision	Alvium G1-158m	IP:100.100.60.2 MAC:00-0A-47-00-05-64
۲	2	Allied Vision	Alvium G1-158m	IP:100.100.63.2 MAC:00-0A-47-00-05-67
۲	3	Allied Vision	Alvium G1-158m	IP:100.100.62.2 MAC:00-0A-47-00-05-60

Once saved, a pop up will appear to confirm that the configuration has been successfully saved.

🚯 GeniCam Browser										
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Name	Description	SerialNumber UserName			CamPort	Vendor	Model		Info	
Factory					0	Allied Vision	Alvium G1-1	58m IP:100.10	0.61.2 MAC:00-0	A-47-00-05-65
488 USB3 Vision devices	STEMMER IMAGING			1						
 HEF SI GEV TL 	STEMMER IMAGING				1	Allied Vision	Alvium G1-1	58m IP:100.10	0.60.2 MAC:00-0	A-47-00-05-64
Filter Driver @ 00-30-64-83-BB-66					2	Allied Vision	Alvium G1-1	58m IP:100.10	0.63.2 MAC:00-0	A-47-00-05-67
Alvium G1-158m	Allied Vision									
Y 💭 Filter Driver © 00-30-64-83-BB-67				•	3	Allied Vision	Alvium G1-1	58m IP:100.10	0.62.2 MAC:00-0	A-47-00-05-60
Alvium G1-158m	Allied Vision									
Filter Driver @ 00-30-64-83-BB-68										
Alvium G1-158m	Allied Vision									
Filter Driver @ 00-30-64-83-BB-69										
Alvium G1-158m	Allied Vision									
 Socket Driver @ 00-30-64-83-BB-66 	6									
Alvium G1-158m	Allied Vision									
Socket Driver @ 00-30-64-83-BB-67	7 									
Alvium G1-158m	Allied Vision									
 Socket Driver @ 00-30-64-83-BB-66 	3 Alt: 415-5-1									
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Abium G1-159m	Allied Vision		E Sava Configuration							
TLPort	Silicon Software GmbH	4	B sare companyon							
			The configuration has been saved successfully.							
			OK							
				1						

If you are using multiple Quintic GigE 1.6MP High Speed Cameras, the order in which the cameras are configured within the GenICam Browser, is the order in which they will appear within the Quintic Image Recording Platform.

Under the Configured Devices list, a CamPort is stated, which starts from 0 and goes up to 5. This corresponds to Cameras 1 - 6 which are able to be captured within the Quintic Image Recording Platform (Quintic Coaching v33 and Quintic Biomechanics v33 only).

If you double click on the camera under the 'Configured Devices' list, this will allow you to view a live image from the camera, so you can verify the cameras are in the correct order you want them to be.

This will bring up the device view window, as highlighted below.





which the cameras appear), please remember to click the SAVE button so that the camera configuration is saved.

Once you are happy that your cameras are successfully configured, you are then able to capture video footage directly via the Quintic Software (Quintic Image Recording Platform). Please ensure that no live Quintic Camera feeds are already open before opening the Quintic Image Recording Platform.

For more information on how to use and capture videos via the Quintic Image Recording Platform, please see Tutorial 6g – Quintic Image Recording Platform.