CICAPP-0010 (V1.0) May 20, 2015 Connecting to the IM-II

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Purpose

This note describes how to setup the IM-II robot to communicate with the EddyVision acquisition software.

Procedure

1. Connect umbilical cable to IM-II. Make sure captive screw is tight and strain relief cable is attached to IM-II.



2. Connect power and encoder cables to umbilical junction box and controller. Connect Ethernet cable to network switch.



3. Power up the controller. Make sure red E-Stop switch is NOT engaged. Wait for status light to begin blinking.





4. In the CoreStar EddyVision32 software, select IM-2 for Robot in the screen parameter window (Edit > Screens).

📌 Screen Para	am	? ×
Eile		
Function Key	F2 V	
Screen Name	Test	
Screen Type	Standard	_
Components -	Jobandard	
Strips	Auto	_
Liss	Test	=
Report	RPC	
Compare	Show Dset	
Strip Charts		
Count	2 ÷	
Frac	258	
Lissajous		
Rows	1 🕂 Use Meas	E.
Cols	2 🔹 Use Buttons	
Frac	75% 🐳 Use Defects	F
	Use Exp	
Cscans		
Rows	1 🐳 Use Meas	F
Cols	1 🗧	
Frac	588 🛨	
Acquisition		
Num Encoder	0 🗧 RPC Speed	-
Plan Rows	16 + FLY Buttons	x
	Auto ACQ	-
Tester	OMNI-200	RPC
Pusher	TrackDrive-200 💌	RPC
Robot	IM-2]
Compare		
Rows	10 🕂	
Auto		
DLL	rule_base.dll	·
	ок	Cancel

5. Open plan window and configure webcams by right clicking in the camera window and selecting properties. Below is an example of a configured webcam.

📌 WebCam Properties 🔹 🔋							
File							
NEW DELETE							
Name	GUIDE TUBE						
IP Address	192.168.53.32						
Username	admin						
Password	123456						
Model	ACTi 💌						
Format	MJPEG 💌						
Resolution	720x480 💌						
Brightness	70 💌						
Frame Rate	10 💌						
Text Color							
	OK Cancel						



6. From the plan window, select **Util > IP Setup** to view IP addresses of connected IM-II controllers.

📌 CoreStar - IP Setup 🤶 🔀														J							
4	•	SET	SN				IP ADDR				ST	JBNET	MASK	GATEWAY				MASTER			
	1	YES	0014FF-02300763			192	168	58 53 31 255 255 0			0	0	0 192 168 0 10			100	-		1		
•	[× ×	
		COMPUTER																			l
_	•	ADAP IP ADDR					NET MASK				TYPE										
	1	11	11 172 16 17 1		1	255 255 0 0			0	PRIMARY											
	2	11	192	1	7	4	255	255	0	0											
	3	11	192	168	9	4	255	255	0	0											
													7								
1																		ОК		ancel	

7. In the plan window, type in the IP address of the desired controller in the upper right hand corner and select CONNECT. Once connected, HP (High Power) will be highlighted green in the upper right hand corner of the screen. If the HP does not highlight, check the E-Stop button.

