Allegro – Worksheet 10		R6 – Blinding attack on cameras						
Threat	**Business Asset**	video and image data						
	Business Asset's Value	Medium – Car can continue driving but can't recognize signs and traffic lights.						
	Area of Concern	An attacker uses their tools to send malicious optical data to the camera causing unwanted blindness, possible hardware damage and loss of integrity of video and image data.						
	Actor *Who would exploit the area of concern or threat?*	An attacker with some previous experience and tools to send malicious optical inputs (laser etc.).						
	Means *How would the actor do it? What would they do?*	An attacker uses their knowledge and malicious optical emitters to send and blind cameras causing unwanted blindness on the cameras and possibly permanently damage the camera sensors.						
	Motive *What is the actor's reason for doing it?*	Wants disrupt the AV program to keep drivers' jobs.						
	Outcome (choose one) *What would be the resulting effect be?*	Disclosure:		Destruction:				
		Modification:		Interruption:	x			
	Security Requirements *How would the information asset's security requirements be breached?*	Cameras are vulnerable to blinding attacks.						
	Likelihood (choose one)	High:	x	Medium:		Low:		

Consequences *What are the consequences to the organization as a result of the risk?*	**Severity** *How severe are the consequences to the organization or asset owner by impact area?* **3 for highest priority, 2 for medium and 1 for lowest*			
Blinding attack will cause some blind spots on the image recorded by the cameras. Blind spots can cause not detecting objects and possible accidents because of that. Not having the sensor available without any mitigations will cause the system to not see the outside, possibly other sensors can cover. Using lasers to carry out the attack can permanently damage the camera's lens..	Impact area	Priority*	Impact	Score
	Confidentiality	1	Low	1
	Availability	3	High	9
	Integrity	2	High	6
	Relative risk score:			**16**
	Total Risk Score *(Rel x likelihood):*			**48**

Risk Mitigation	**R6 – Blinding attack on cameras**							
Choose action to take.	Accept:		Defer:		Mitigate:	x	Transfer:	
For the risk, what actions and controls will be used:								
Layer where applied	**Description of control or action**						**Estimated cost**	
Perception	Overlapping image output with multiple cameras						Low	
Perception	Filter to remove harmful light						High	