iBEAM
VEHICLE SAFETY SYSTEMS

TE-CCH
Product Manual

I. Specifications

Sensor	1/3" 960H CMOS
Lens Angle	120 ^{o}
IR LEDs	18 LEDs
Min. Illumination	0 LUX/F2.0
Signal System	PAL
Effective Pixels	960X576
Resolution TV lines	600 TV lines
Shutter speed	1/50-60 ~ 1/15000 sec
S/N Ratio	>48db
Video output	1.0V, 75 ohms
Power Supply	DC 12V-24V
Current Consumption	190mA
IP rating	IP69K
Operating Temp.	-20°C - 65°C
Connection	4-Pin Din

II. Connections

1. Find a suitable location to install the camera. This camera is surface mounted so we suggest a flat surface. Make sure the camera's view is unobstructed and be careful not to drill into any wires that might damage the vehicle. When all connections have been made and before mounting the camera, verify the camera is working and has a good view of the area. Then mount the camera down with screws.
2. Power and ground are provided from the monitor if using a monitor with the same 4-pin din connector as the camera. This cable also provides video signal to the monitor. If using the supplied adapter, the DC power plug will either need an adapter for power or need to be cut off to gain access to the power and ground wire.
3. If using the adapter for and RCA video monitor, connect the **RED** wire from the adapter to 12v reverse signal or 12v accessory depending on when the camera needs to provide video. Connect the **BLACK** wire to chassis ground.
4. Run the 4-pin Din cable or RCA depending on the application up to the monitor. (avoid placing the video cable where it can be pinched or damaged)
5. Attach the video cable to the input on the monitor.