

## IMPORTANT

If you are having difficulties with the installation of this product, please call out Tech Support line at 386-257-1187. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.



**KNOWLEDGE IS POWER**  
Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto [www.installerinstitute.com](http://www.installerinstitute.com) or call 800-354-6782 for more information and take steps toward a better tomorrow.



**Metra recommends MECP certified technicians**



**386-257-1187**

**Metra Electronics**

**460 Walker Street, Holly Hill, FL 32117**



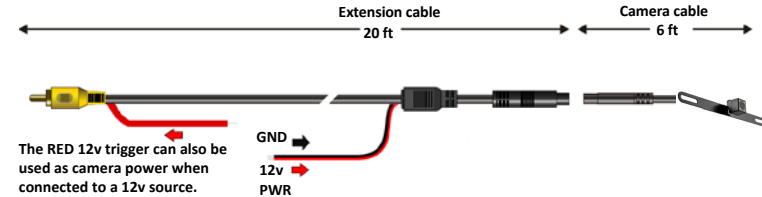
# WM-BPLTC Product Manual



## I. Specifications

<b>Sensor</b>	1/3" CMOS FPX8341
<b>Effective Pixel</b>	720 X 480
<b>Video Signal</b>	NTSC 60 hz
<b>Dynamic Guidance Trajectory</b>	Embedded
<b>Resolution</b>	600 TV Lines
<b>Current Consumption</b>	No more than 180mA
<b>Power Supply</b>	DC 9V-12V
<b>Operating Temperature</b>	-20°C - 70°C
<b>Storage Temperature</b>	-30°C - 80°C
<b>View Angle</b>	Horizontal: 100, Vertical: 110. Diag. 140
<b>Water Resistance</b>	IP68
<b>Minimum Illumination</b>	0.1 Lux
<b>LED LUX</b>	30 Lux

## II. Connections



1. Begin by removing the license plate bolts and the license plate, then install the camera. Replace plate and bolts.
2. Connect the RED wire to the +12 volt reverse signal.  
NOTE: If not connected to the reverse signal in the vehicle, the LEDs will be on at all times. LEDs turn on with camera power.
3. Connect the BLACK wire to ground (a metal, non-painted surface).
4. Run the video cable through the vehicle, up to the video display. (Avoid placing video cable where it can get pinched or damaged)
5. Attach the YELLOW video RCA to the reverse camera input on the display. If reverse signal was connected in the rear of the vehicle, there is a red wire on the yellow RCA to provide the same +12 volt signal to the display if needed. If not needed please tape up as 12 volts is present when vehicle is in reverse and can damage the camera if this wire touches ground.

NOTE: The camera needs to be angled down 30-40 degrees for proper functionality. This may inhibit the use of a license plate frame around the plate.