

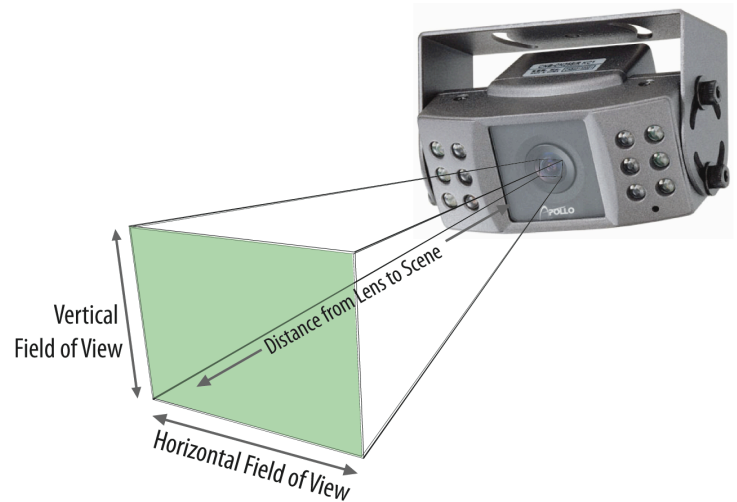
## RoadRunner Mobile Digital Video Systems

### Tech Tip: Camera Field of View / Angle of View

#### Camera Angle of View:

Smaller focal lengths provide a wider angle of view. Use the chart below for the angle of view (in degrees) for each lens type.

Lens Type:	2.5mm	3.6mm	8.0mm
<b>Horizontal</b>	102.56°	79.22°	33.4°
<b>Vertical</b>	79.2°	63.65°	25.36°
<b>Diagonal</b>	123.86°	91.94°	41.11°



#### Camera Field of View:

All Apollo Video RoadRunner cameras feature a 1/3" Image Sensor. Use the chart below to assist in calculating the field of view using the different focal lengths. The chart displays the horizontal and vertical field of view (in feet) for each lens type and approximate distance from the camera lens to the desired object or scene.

Distance from Scene to Lens:	2.5mm		3.6mm		8mm	
	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical
<b>5'</b>	9.6	7.2	6.7	5	3	2.3
<b>7.5'</b>	14.4	10.8	10	7.5	4.5	3.4
<b>10'</b>	19.2	14.1	13.1	10	6	4.5
<b>12.5'</b>	24	18	16.7	12.5	7.5	5.6
<b>15'</b>	28.8	21.6	20	15	9	6.8
<b>17.5'</b>	33.6	25.2	23.3	17.5	10.5	7.9
<b>20'</b>	38.4	28.8	26	20	12	9
<b>22.5'</b>	43.2	32.4	30	22.5	13.5	10.1
<b>25'</b>	48	36	33.3	25	15	11.3
<b>27.5'</b>	52.8	39.6	36.7	27.5	16.5	12.4
<b>30'</b>	57.60	43.2	40	30	18	13.5