The Federal Signal automated license plate recognition (ALPR) Slate™ camera delivers high performance in a compact, low-profile design that does not hinder lightbar visibility.

The Slate camera incorporates patented infrared illumination in an infrared camera for effective license plate imaging and a color camera for a vehicle overview image. Patented filter and flash techniques provide excellent suppression of headlights and bright sunlight, while field-by-field control of camera parameters enables the use of patented TripleFlash™ technology to reduce plate-to-plate variation issues. The Slate camera reduces the ALPR processor burden by pushing analytics to the network edge.

Federal Signal Slate cameras can achieve the highest performance plate capture and plate read rates available in the industry.

The Federal Signal ALPR Slate camera.

### Specifications-Slate

<table>
<thead>
<tr>
<th>Model</th>
<th>Slate</th>
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</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>182mm (7.16 inches) width, 90mm (3.54 inches) depth and 42mm (1.65 inches) height</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;1.5 kg (3.31 pounds)</td>
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<tr>
<td>Mechanics</td>
<td>Extruded metal casting with piston sealed lens</td>
</tr>
</tbody>
</table>
| Optics         | Clear IR-transmissive front window  
                    Integral band-pass filter (IR camera) 
                    Integral IR-cut filter (color camera) 
                    25, 12, 8, 7, 6, 4.9, 4mm and 2.9mm lenses available |
| Illumination   | High-power IR pulsed illuminator. TripleFlash illumination (patented) 
                    Flash table can include a position for the color overview camera with LEDs turned off 
                    The illuminator flash table runs locally and autonomously on power-up and can be set via an interactive PC graphical utility or via a simple command-line text interface 
                    Effective viewing range: up to 50 feet (15 meters) |
| Monochrome     | IR camera Hi-sensitivity IR CCD 752 x 582 (CCIR) or 768 x 494 (EIA) ¼-inch format |
| Color Camera   | Exview-HADTM Color CCD 752x582 (PAL) or 768 x 494 (NTSC) ¼-inch format 
                    Separate day / night settings (for high-speed applications) with changeover from built-in photo sensor |
| Video Input    | Separate 75 ohm standard video output for infrared monochrome and for color 
                    Both cameras can be multiplexed to one output controlled by the flash table |
| Synchronization| External video sync input; otherwise crystal-controlled internal sync (both cameras locked together)  
                    Control No external controller required; graphical or command-line interface control of: video-field table; flash (8 settings); gain (8 settings); shutter (4 settings); camera selection (2 settings) under RS 232 control; table depth, up to 8 manual/auto-table (On/Off), plus engineering-only access to camera DSP internal settings, e.g. horizontal and vertical aperture correction, Gamma, etc. |
| Communications | RS232 & RS485, Rx, Tx, Gnd, 19.2Kb, 8 bits, no-parity, 1 stop-bit Flash-table index encoded in top left-hand corner of image |
| Cable          | Twisted-pair with overall screen, standard length 16.4 feet (5 meters) 
                    Greater lengths achievable, including optional use of cable incorporating coaxial video |
| Connectors     | Metal IP67-sealed connectors |
| Connections    | 75 ohm standard video (infrared monochrome and color); power supply (+ve/-ve); RS 232/RS485 communications; camera and overall screens; 
                    external sync, flash gnd and flash pulse |
| Mounting       | Three-axis finger mounting bracket |

The Federal Signal ALPR Slate camera delivers high performance.