

ITS Plus³

Safety • Sensors • Solutions

Signal Mounted VIVDS Cameras

- Converts Any Traffic Signal Into a **"Sensor Platform"**
- **Much Higher Performance** Than Traditional Cameras
 - Easy to install
 - Target applications
 - Stop bar/advanced detection
 - Rated to 140 mph without camera re-alignment
 - "Never Clean" lens reduces maintenance by 10x
 - Interoperable with all major VIVDS, LED module and signal housing suppliers
 - Superior reliability and warranty
 - ISO9001:2000 Certification
 - Meets NEMA TS-2 Cabinet Specifications
 - 5 Year Warranty (including "Acts of God")
 - Lowest weight: 1 lb
 - Ultra Green: 1 watt total power
- Total cost of ownership is 3x less than traditional cameras
- Stealth Functionality and Aesthetically Pleasing
- Power Line Modem Option
 - No coax cables to pull; installs in minutes, not hours



Addresses the Weak Link in VIVDS Performance

Traditional video detection cameras were designed for ITS freeway applications, not Video Detection. ITS Plus has developed a camera from the ground up which addresses the fundamental problems faced by traditional VIVDS cameras. New features virtually eliminate the need for lens cleaning and re-alignment due to strong winds even under the harshest conditions. The superior design also addresses the issues of ice and snow build up, BNC connector failures and lightning strikes.



Proven Field Performance Best Warranty in the Industry

ITS Plus Signal Mount cameras come with a full 5 year warranty which includes "Acts of God" (Lightning, Tornado, and Hurricane). Over the last 5 years ITS Plus cameras have had an unprecedented zero field failure rate and a zero field maintenance record. Installations have been worldwide in some of the most extreme environments.



Actual screen images from ITS Plus cameras inside the traffic signals

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Signal Mount VIVDS Camera



<u>Part Number</u>	<u>Description</u>
ITSP-SM120C	Signal Mount, 120V AC, Coaxial communications Warranty: 4 Years <i>(photo at left and top right)</i>
ITSP-SM24C	Signal Mount, 12 - 24V DC, Coaxial communications Warranty: 5 Years
ITSP-ICxxC	Internal Camera with 120V AC or 24V DC, Coaxial Communications (McCain, Naztec or Econolite only) <i>(photo at right)</i>



ITS Plus also offers Counter Weight Balanced Single Strand Span Wire and Mast Arm Mount (Pole Mount) cameras (not pictured).

Camera Options/Specifications

Medium Resolution

- 1/3 inch CCD
- Resolution: 380 lines
- NTSC, RS170A, 1Vp-p 75 ohm video
- 0.5 Lux min at night to over 10,000 Lux daytime
- S/N Ratio = 60 dB
- AGC = 30dB
- Automatic Electronic Shutter 1/60 to 1/100,000 sec
- Power Consumption = 2 W
- Operating Temperature: -34C to 60C
- Surge Protection: Over 2,000V
- Meets FCC Part 15, Subpart B

Hi Resolution

- 1/3 inch CCD
- Resolution: 550 lines
- NTSC, RS170A, 1Vp-p 75 ohm video
- 0.2 Lux min at night to over 10,000 Lux daytime
- S/N Ratio = 60 dB
- AGC = 30dB
- Automatic Electronic Shutter 1/60 to 1/120,000 sec
- Power Consumption = 1 W
- Operating Temperature: -34C to 60C
- Surge Protection: Over 2,000V
- Meets FCC Part 15, Subpart B
- Active Pixel Elements: 768H, 494V

Handheld Micro Video Monitor

<u>Part Number</u>	<u>Description</u>
ITSP-MVM	Battery operated, mini black & white video display Weights 3.5 ounces, Measures 4.4" x 1.7" x 1.3" Warranty: 1 year



ITS Plus products are designed and manufactured in the USA