

ITS Plus³

Safety • Sensors • Solutions

Mast Arm Mounted VIVDS Cameras

- **Much Higher Performance** than traditional VIVDS cameras
 - Easiest to Install
 - Target applications
 - Advanced/stop bar detection
 - Failed VIVDS camera replacement
 - “Never Clean” lens reduces maintenance by 10x
 - Rated to 140 mph without camera re-alignment
 - Interoperable with all major VIVDS suppliers
 - Superior performance and reliability
 - ISO9001:2000 Certification
 - Meets NEMA TS-2 Cabinet Specifications
 - 3 Year Warranty
 - Lowest weight: 2 lbs
 - Ultra Green: 1 watt total power
- Total cost of ownership is 3x less than traditional cameras
- Power Line Modem Option
 - No wires or 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 developed a camera from the ground up which address the fundamental problems faced by traditional VIVDS cameras. New features virtually eliminate the need for lens cleaning and re-alignment even under the harshest conditions. The superior design also address the issues of ice and snow build up and connector failure/water leakage. Targeting advanced/stop bar detection and failed camera replacement the ITS Pole Mount camera is a superior choice for VIVDS applications.



Actual Screen Images from
ITS Plus Cameras

Proven Field Performance/Easiest to Install

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.

ITS Plus offers both 120V AC or 12 - 24V DC cameras. ITS Plus also offers a traffic Signal Mount and a Single Strand Counter Weight Balanced Span Wire camera options.



ITS Plus³

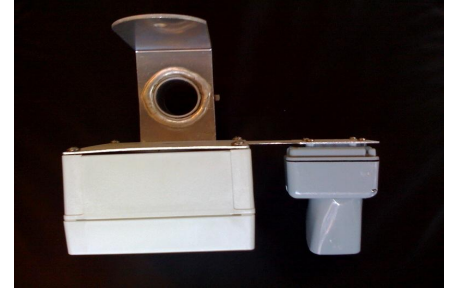
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Pole Mount Camera (Mast Arm)

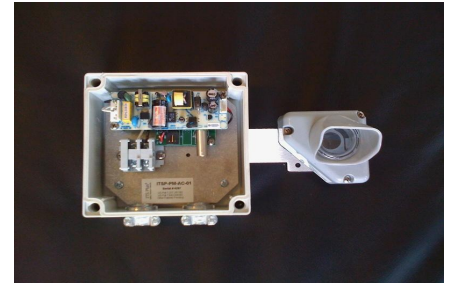
| <u>Part Number</u> | <u>Description</u> |
|--------------------|---|
| ITSP-PM120C | ITS Plus, Pole Mount, 120V AC, Coaxial communications Warranty: 2 years |
| ITSP-PM24C | ITS Plus, Pole Mount, 12 - 24V DC, Coaxial communications Warranty: 3 years |

ITS Plus also offers Counter Weigh Balanced Single Strand Span Wire and Signal Mount cameras (not pictured).

Top View: Mounted on a U Bracket



Sealed NEMA 4 Enclosure with Cable/Coax Strain Reliefs



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 monitor Weighs 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