

HTTV Mini Wall-Eye

High-Resolution Television Wall-Eye Camera



Patent Approved #6,069,652

THE NEW HIGH-TEMPERATURE REMOTE VIEWING SYSTEM FOR EXISTING F:8 WALL BOXES AND WALL SLEEVES

Diamond Electronics is pleased to announce the release of the HTTV Mini Wall-Eye, the latest in High-Temperature Viewing. You can now see what you have been missing.

Benefits

- Highest Resolution Video in the Industry (>480 TVL SVHS)
- No Lens Tube to Maintain
- No Water Cooling Required
- Replaces Existing F:8 Wall Boxes and Wall Sleeves
- Larger Field of View than Lens Tube Systems
- Field Adjustments Made Easier
- Optional Manual Zoom Lens
- Higher Operating Ambient Temperatures (300°F)
- 3000° Temperatures at Camera Tip
- NTSC Camera Format Standard, PAL Optional

CAMERA SPECIFICATION:

Pick-Up Device: 1/2" Format Interline Transfer
CCD
768H x 494V Pixels
Camera System: NTSC Color (PAL Optional)
Synchronization: Internal
Resolution: >480 Lines
Signal to Noise Ratio: 50 dB Min.
Min. Scene Illumination: 3 Lux. (F:1.4 AGC On)
Auto-Shutter: 1/60 to 1/15, 700 sec.
Power Source: 12VDC \pm 10%
(from Control Box)
Power Consumption: 300 mA
Operating Temperature: +14°F to +122°F
(-10°C to +50°C)
Available Field of View: A. 39°H x 29.6°V
B. 76°H x 61.6°V
C. 17°H x 13.1°V to 76.8°H to
62°V Manual Zoom

CAMERA CONTROL BOX:

Dimensions: 14"W x 16"H x 6"D NEMA-4
Metal
Finish: Gray
Electrical: 120Vac, 60 Hz, 1-1/2 Amps
Max (220Vac 50Hz Optional)
Interior "On/Off" Switch with
Fuse
Weight: 28 lbs (12.7 kgs)



CAMERA CONTROL BOX (CONTINUED):

Temperature Limits: +14°F to +115°F (10°C to
+46.1°C) w/o Cooling or
Heater
-10°F with Heater
+150°F with Cooling
Power to Camera: 12VDC through Hi-Temp
16.4 ft. (5 mtr.) Cable
Connections: BNC Bulkhead for Video; Cord
Connectors for Power, Hi-
Temp Alarm/Zoom Control,
and Camera Power
Hi-Temp Thermostat: SPST Contact

HI-TEMPERATURE CAMERA WALL TUBE HOUSING ASSEMBLY:

Maximum Operating
Internal Furnace
Temperature: +3000°F (1648°C)
Maximum External
Furnace Ambient
Temperature: +300°F (148°C)
Utility Requirements: 60-80 PSI @ 32-42 SCFM
(Instrument Air) Based on
100°F Air Temperature
(+135°F, 57.2°C Max.)
NOTE: Subtract 7 SCFM of
air flow if cooler on control
box is not used.
Air Inlet: 1" NPT Pipe
Various Lengths
Available: from 24" to 36"
Custom lengths available

NOTE: To be used on negative pressure, balanced
draft, or positive pressure furnaces that already use wall
boxes and lens tubes.

CAUTION: Air filters, regulators, gauges, and low flow
switches used with this assembly must be mounted
where ambient temperature does not exceed +180°F.

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