

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Indoor Closed Circuit Video Surveillance Systems supporting Monochrome/Color, Standard/High resolution, fixed/variable lens ranges, and 50/60 Hz standards.

1.02 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer's descriptive literature for equipment specified, including components, options, specifications, ordering information, and accessories.
- C. Manufacturer's installation instructions for each product.
- D. Shop Drawings if required.

1.03 QUALITY ASSURANCE

- A. Regulatory Requirements (if applicable).

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Store products of this section in manufacturer's unopened packaging until installation.
- B. Maintain dry storage area with temperature between -20C to +50 C (-4F to +122F) for products of this section until installation.

1.05 WARRANTY

- A. This Aigis Mechtronics LLC product is warranted against defects in materials or workmanship for a period of 39 months from date of shipping.

1.06 REFERENCES

- A. List compliance regulations (e.g UL, FCC CLASS A) for each product if applicable.

PART 2 - PRODUCTS

2.0 GENERAL

2.01 MANUFACTURER

- A. Aigis Mechtronics, LLC
1124 Louise Road
Winston-Salem, NC 27107-5450
Tel. (877) 523-6500 or (336) 785-7740
Fax. (336) 785-7744
www.aigismech.com

2.02 General Requirements

Indoor Closed Circuit Video Surveillance Systems supporting Monochrome/Color, Standard/High resolution, fixed/variable lens ranges, and 50/60 Hz standards.

- A. The product specified shall be a 480 TVL, High resolution, high sensitivity, NTSC camera using a 1/4-inch format CCD imager prepackaged in a molded plastic housing with a 90mm (3.6-inch) acrylic dome. The camera shall come complete with a 3-6mm, vari-focal, DC Auto Iris, f/1.6-200 lens. The camera shall have the following adjustments: backlight compensation, line-lock, AGC and phase adjustment. The camera shall provide a high-speed electronic shutter (1/50 to 1/100,000), selectable automatic/manual white balance, and intelligent backlight compensation. The camera shall accept AC or DC power.
- B. The product specified shall only require 1.2 lux of light to produce a 50 IRE signal level with a lens set at f/1.2.
- C. The housing may be mounted to a single gang electrical box that is mounted directly to a wall or ceiling. The unit may be wired using push wire connectors.
- D. The lower dome shall have a tinted finish with a slotted inner liner to mask camera positioning.
- E. The camera shall be designed so that an optional unshielded twisted pair (UTP) passive transmitter is available for video transmission of up to 750 ft when a passive receiver is used, and 3000 ft when an active receiver is used. The transmitter is compatible with NVT brand receivers.

2.03 ELECTRICAL SPECIFICATIONS:

- A. Voltage range: 11 to 13 VDC or 21 to 27 VAC, 60Hz.
- B. Power: 3 watts.
- C. Composite Video Output: 1.0 Vp-p, 75 ohms.
- D. Sync: Internal/Line-lock with phase adjust (0-330 degrees).
- E. Sync format: NTSC.
- F. Horizontal Resolution 480 TVL
- G. Imager: 1/4-inch, interline transfer CCD.
- H. Signal to noise ratio: 48 dB.

2.04 MECHANICAL SPECIFICATIONS:

- A. Weight: 0.4 Kg (0.9 lbs.).
- B. Overall dimensions: 134.4mm (5.29 in) dia. x 111.3mm (4.38 in) height.
- C. Connectors: Video Out: Female BNC, Optional twisted pair interface.
Power: Two stripped leads with push wire connectors.
- D. Pan/tilt adjustment: Manual pan: 360 degrees Tilt: 90 degrees.
- E. Standard White enclosure
- F. Standard single gang electrical box mounting.

2.05 ENVIRONMENTAL SPECIFICATIONS:

- A. Temperature:
 - 1.) Operating: -10C to +50C (+14F to +122F).
- B. Humidity: 0% to 90% relative, non-condensing.

2.06 Product Regulatory Compliance

- A. Electromagnetic Compatibility: Complies with FCC Part 15, and ICES-003 regulations.
- B. Product Safety: Complies with UL, and cUL Standards.

2.07 Accessories

- A. The manufacturer shall offer a mounting kit for recessed mounting.
Model MLR.

PART 3 - EXECUTION

3.01 Installation

- A. Installation should be performed by qualified service personnel only in accordance with the National Electrical Code or applicable local codes.
- B. Installation should be performed in accordance with manufacturer's installation manual.

The product specified shall be the Model MLP2CH36 MiniDome Camera with a white finish, manufactured by Aigis Mechtronics.