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.
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
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.