### TVC-M2110-1-N

### TruVision MegaPixel IP High-Performance Box Camera

1. **Traditional Box housing**
   1. The TVC-M2110-1-N shall function as a general-purpose video surveillance camera in indoor or outdoor applications.
   2. The TVC-M2110-1-N shall be as manufactured by Interlogix or an approved equal.
   3. The camera housing shall be constructed of aluminum.
      1. Camera shall accept auto-Iris C or CS mounted manual iris lenses.
   4. The camera shall meet or exceed the following specifications:
      1. The sensor shall be a Progressive Scan, 1/3-inch format, 2.0 Mega-Pixel CMOS image sensor.
         1. Effective Pixels (HxV): 1600 × 1200, 2 MPX
         2. Minimum FPS at 1600x1200 resolution to be 10 FPS
         3. 1280 x 720p at 15 FPS minimum.
      2. Real-time video streaming (30 FPS) at 704 x 480 minimum resolution.
      3. The camera shall have an NTSC composite video output.
         1. The video output shall be 1.0 V p-p at 75-ohm load
      4. The composite video output shall be DC internal synchronization.
      5. The unit will provide dual IP streams for managing bandwidth usage.
      6. The sensitivity shall be 0.68 Lux @ F1.4; 0.13 Lux @ F1.4 w/ sense up × 5
      7. The signal-to-noise ratio shall be better than 50 dB.
      8. Exposure/Shutter to be ¼ second to 1/100,000 second.
      9. The camera shall have a digital day/night function.
      10. The camera shall have Auto color balance and white balance as AWB or ATB.
      11. The camera shall offer two-way audio channel.
          1. Compression – OggVorbis, 16 kBit/s
          2. Input: 1 channel 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kOhm)
          3. Output: 1 channel 3.5 mm audio interface (Line level, 600 Ohm)
      12. Camera shall have a Media SDHC card slot, 16 GB capacity for recording
          1. Edge recording capable
      13. Camera shall include an integrated browser.
      14. Intelligence in the Camera
          1. Motion Detection: On-board, 396 zones per camera (22 x 18 grid)
          2. Privacy Masking: On-board, 396 zones per camera (22 x 18 grid)
          3. Health Check: On-board

18. Camera shall have Alarm Handling:

* + - 1. Alarm Input: 1, Alarm Output: Form C alarm relay (1)
  1. Network:
     1. Networkable via Ethernet (TCP/IP) for remote functions
     2. Dual Streaming: Main Stream and Sub Stream up to real-time CIF
     3. Protocol: TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE
     4. Type: 1 RJ45 10M / 100M self-adaptive Ethernet port
     5. Compression: H.264 or MPEG4
  2. The electrical specifications for the dome shall be as follows:
     1. The camera shall have a universal input voltage of 12 VDC or 24 VAC, POE.
     2. Power consumption shall be 4 watts max.
  3. The environmental specifications for the dome shall be as follows:
     1. Operating temperature shall be -10 to 60 degrees Celsius.
  4. The physical specifications for the dome shall be as follows:
     1. Dimensions shall be 65 x 63 x 157 mm (2.57" x 2.5" x 6.25").
     2. Weight shall be 600 g (1.32 lbs).
  5. The dome shall conform to these internationally recognized compliance standards:
     1. FCC
     2. CE
     3. UL
     4. RoHS