

## 2.4 CLASSROOM CAMERA

- A. Provide a classroom camera with 360° monitoring, a wide variety of transmission modes, and a super-wide-angle fisheye lens. 360° monitoring is possible with a single camera. The camera must provide a rolling lens capability that allows the teacher to see that the camera is physically closed and cannot be accessed. The camera shall also include a browser native transmission utilizing the HLS standard. The 360° camera shall include a wide variety of image capture modes that perform distortion correction:
1. Panorama
  2. Double Panorama
  3. Quad PTZ
  4. Single PTZ
- B. Educam Camera – Alarm Notification Interface (Audio Enhancement Educam360-B)
- (a) Additional Required Specifications:
- i. 12M progressive scan CMOS
  - ii. Multiple H.264 and H.265 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by enhanced.
  - iii. AAC Audio Encoding Required
  - iv. HLS streaming Required for browser native viewing of the audio and video stream
  - v. Smooth PTZ operation without mechanical action
  - vi. DWDR, Day/Night(ICR), 3DNR,ROI, AWB, AGC, BLC
  - vii. Built-in distortion correction function
  - viii. A fish-eye lens control function realizes intelligible screen operation intuitively.
  - ix. Privacy Zone can mask up to 4 private areas, such as house windows and entrances/exits.
  - x. Must provide IR Emitters for providing IR light for low lighting situations
  - xi. RS-232 Tunneling allowing communications through the camera to a network port
  - xii. Alarm sources including 3 terminal input, VMD can trigger actions such as FTP image transfer, Email notification, Indication on browser, and Alarm terminal output.