Appendix B

MTC 33 Dual Camera

Specifications – 2017

1. **Included in the box:**
   - HD33 IncidentCam Camera control unit and cables
   - Calamp LMU 2630
   - Windscreen suction mount and/or Stick-on mount
   - 3G USB WiFi modem with pre-commissioned SIM card (Dedicated for video upload)
   - Camera module with extension lead
   - Installation instructions
   - Optional Button for triggering "Panic" video capture

2. **Camera Spec:**
   - High Definition quality video at up to 1080P resolution and up to 30fps
   - ARM Cortex-A7, Allwinner Quad core H3, 1.6GHZ
   - 1GB RAM 32GB or 64Gb EMMC Flash
   - Camera tested to work up to -10 to 60°C
   - DSP advanced audio enhancement
   - Wide angle 120° field of view
   - H.264 format
   - Size: 60*40*30mm Weight: 50g
   - CE and RoHS compliant
   - Second camera module option for passenger/driver recording

3. **IncidentCam functionality:**
   - Incident videos can be configured in the following cases:
     - When the telematics device detects a collision
     - On demand by user pressing a button
     - When the telematics device detects a harsh braking or Cornering
     - Historic videos can be requested via the portal
   - 20 seconds video file for each incident (15 seconds before and 5 seconds after)
   - Video upload to Secure server when sufficient network coverage available
   - Videos retained in Secure local storage until safely delivered to the server
   - Video and incident data information timestamped at source
   - All server communication is encrypted
   - The application doesn't require any user interaction once the camera is installed
   - Over-the-air application updates
   - Remote diagnostics and continuous monitoring of camera status
   - A link to the video will be included in the email notification of the collision and also on the Alert History Report together with the optional FNOL report
   - Event files stored on internal memory (not accessible by user or driver for security)
   - Video playback with Location (Long/Lat) / Speed and unit serial number

4. **Hardwired integration between camera and Calamp LMU 2630 via Serial port:**
    - o Camera on/off controlled by ignition state
    - o Telematics camera devices in constant communication via Serial interface
    - o Telematics devices supported: Calamp LMU 2630 via Serial port

5. **Environmental features:**
    - o Cable harness to be wired to vehicle power, ignition and ground
    - o Camera tested to work up to 70 C
    - o CE Approved, E-mark & RoSH Compliant
    - o UK Standard 12 Month Warranty
6. Audio Feature
    - o Camera system has the capability of recording audio
    - o Cameras can be specified with and without audio, this is a remotely configurable option that can be changed to suit application
7. Camera Functionality
    - o Remote retrieval of camera footage secure storage of data and access to data, driver activated Panic Button