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COMMERCIAL-IN-CONFIDENCE

## STATEMENT OF TEST

<b>CLIENT</b>	JENOPTIK Traffic Solutions UK Ltd Unit 10, Watchmoor Park Riverside Way, Camberley Surrey, GU15 3YL	<b>DOCUMENT</b>	75953635 SoT 01 Issue 1
		<b>CLIENT'S ORDER NUMBER</b>	0000013376, dated 15 October 2021
<b>INCOMING RELEASE NOTE</b>	Delivered by attending customer representative		
<b>DATE OF RECEIPT</b>	19 October 2021		
<b>TEST ITEM(S)</b>	EUT 1. VECTOR ANPR Camera, EUT 2. VECTOR ANPR Camera		
<b>MODEL/PART NUMBER(S)</b>	EUT 1. 8902-A11-7, EUT 2. 8902-A11-8		
<b>SERIAL NUMBER(S)</b>	EUT 1. SB130317-0623, EUT 2. SB140317-0576		
<b>TEST PLAN / ISSUE / DATE</b>	JENOPTIK Traffic Solutions UK Ltd: P9024D16_EN 1 Jenoptik IK Impact Protection Test Procedure, Version: V1.0, Date: June 2021		
<b>TEST SPECIFICATION / ISSUE / DATE</b>	IEC 62262: First edition 2002-02 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code). Reference number CEI/IEC 62262:2002. Section 11.2.2 IEC 60068-2-75:2014 Environmental testing, Part 2-75: Tests – Test Eh: Hammer tests and is tested generally in accordance with it. Generally, in accordance with Section 7. Test Ehc: Vertical hammer, IK10: 20J impact energy		
<b>DATE OF TEST</b>	19 October 2021		
<b>TEST(S) DESCRIPTION</b>	<u>Impact pre-compliance testing of ANPR camera to the IK10 (20J) requirements of EN 62262:2002</u>		

The following unpackaged, non-operational impact test is required by the specification:

1. Initial Visual Inspection. Attending customer to conduct a visual inspection.
2. Test method (non-operational, unpackaged). Impact test: Drop the 5kg mass vertically onto the required test points.
  - Secure the EUT to a rigid surface (using 4x M8 screws to be supplied round metal bracket onto tombstone block)
  - 5kg impact mass, drop from 400mm (= 20 Joule free fall impact drop test) onto designated impact positions
  - The Jenoptik IK Impact Protection Test Procedure states that the testing will cover one impact (minimum) per position, with up to three positions per face (6 faces) at ambient laboratory conditions:  
Yellow sunshade: top face, left side, right side, front lip. Yellow back cover. Metal mounting bracket (underside).
3. Post-Test Visual Inspection. Attending customer to conduct a visual inspection and functional test.

### RESULT(S) OF TEST

The test was completed. VECTOR ANPR Camera: Dimensions: ~265mm (L) x 143mm (W) x 355mm (H). Wt: ~4.0kg.  
After each impact a visual inspection was conducted by the attending customer.

Face 1 (Top): EUT 1. Test completed with no damage observed.

Face 2 (Right): EUT 1. Some bracket deformation after the second and third drop.

Face 3 (Left): EUT 1. The bracket straightened back out after this opposite drop to the previous (right) side following the impacts.

Face 4 (Rear): EUT 1. The yellow shroud cracked and broke away. The second EUT was used to continue the test sequence.

Face 5 (Front): EUT 2. Test completed 3 impacts.

Face 4 (Rear): EUT 2. Test completed 3 impacts.

Face 6 (Base): EUT 2. Hairline crack to lip (10mm approx., 1 impact). No further damage during impacts 2 & 3.

Measurement Uncertainty Decision Rule: Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2007, clause 4.4.3 and 4.5.1.

Approved by

S Boddison  
Authorised Signatory



Date 20 December 2021