

SHENZHEN TVT DIGITAL TECHNOLOGY CO., LTD.

TEST REPORT

SCOPE OF WORK

Single test

REPORT NUMBER

250715044GZU-001

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REVISION DATE

None

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Single test report _a_ May 2017



Report No.: 250715044GZU-001

TEST REPORT

Applicant	:	SHENZHEN TVT DIGITAL TECHNOLOGY CO., LTD.
Address	:	23rd Floor Building B4 Block 9, Shenzhen Bay Science and Technology Ecological Garden, Yuehai Subdistrict, Nanshan District, SHENZHEN, Guangdong 518063 China
Sample Description		
Name of Sample	:	IP Camera
Model Number	:	TD-5433E1-VT2, TD-9423A3BH-A-LR, TD-9443C3H-SD, TD-5433E1-ST2, TD-9423E3B-A, TD-9423A3-LR. TD-53 or TD-94; followed by one character; followed by 3; followed by three to nine characters.
Brand Name	:	TVT (TVT)
Rating	:	Type 4X
Sample Development Level	:	Prototype
Quantity of Sample(s)	:	18
Date of Receival	:	15 Jul., 2025
Date of test Conducted	:	15 Jul., 2025 to 1 Dec., 2025
Report Issue Date	:	12 Dec., 2025
Test		
Test Location	:	Intertek Testing Services (Shanghai FTZ) Co., Ltd. Building No. 86, 1198 Qinzhou Road (North) 200233 Shanghai China
Test Requested	:	UL 50E:2020 Ed.3+R:30Apr2024/CSA C22.2 No.94.2:2020 Ed.3++R:30Apr2024 clause 8.5, 8.6, 8.8, 8.9
Test Method	:	According to UL 50E:2020 Ed.3+R:30Apr2024/CSA C22.2 No.94.2:2020 Ed.3++R:30Apr2024 clause 8.5, 8.6, 8.8, 8.9
Test Conclusion:	:	The product complied with parts of the test requested in this report.
Test Conclusion:	:	Pass
Other information	:	-
Remark	:	This test report is only for evaluation of the specified standard clauses listed in Test Requested. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

TEST REPORT

Tested by:



Windy Wang
Engineer

Approved by:



Sleif Sui
Reviewer

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The testing of this report is type tests. The requirements and tolerances permitted by this report are related to testing of a type-test sample submitted by the manufacturer for that purpose. Compliance of the type-test sample does not ensure compliance of the whole production of a manufacturer.

Possible test case verdicts:

- test case does not apply to the test object ... N/A
- test object does meet the requirement P (Pass)
- test object does not meet the requirement ... F (Fail)
- test object only for reference Ref.

Factory:

1, HUIZHOU TVT DIGITAL TECHNOLOGY CO., LTD.

TVT Industry Park, No. 2 XingKe East Road, Dongjiang High-Tech Industry Park,
Zhongkai High-Tech District, HUIZHOU, Guangdong 516005 China

2, STARVISION (VIETNAM) TECHNOLOGIES COMPANY LIMITED.

Land Plot C23-Cn10, An Duong Industrial Park, Hong Phong Commune, An Duong
District 180000 Hai Phong VIETNAM

Product Description:

The equipments under test(ETU) are IP Camera, shall be supplied by an approved AC/DC power supply or POE source which complied with LPS or PS2, and for outdoor used. All models are similar except for slightly difference of camera and metal enclosure.









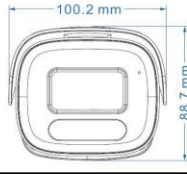
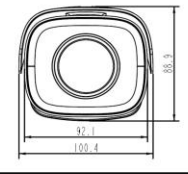
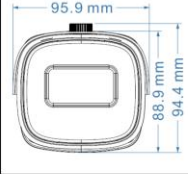
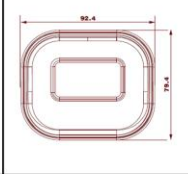
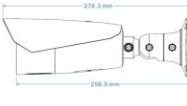
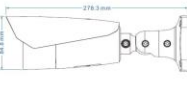
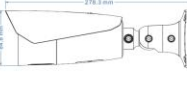
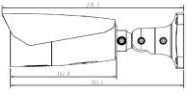
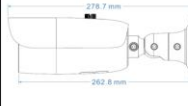
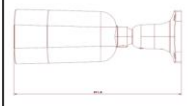
TEST REPORT

Test Requested

UL 50E:2020 Ed.3+R:30Apr2024			
Clause	Description Requirement		Verdict
8.5	External icing test		P
8.5.1	Mounting of the enclosure		P
8.5.2	Type 3S or 3SX enclosure		N/A
8.5.3	Type 3, 3X, 3R, 3RX, 4, 4X, 6, or 6P	Type 4X	P
8.6	Hosedown test		P
8.6.1	Stream of water from a hose diam. 25 mm, water flow 240 L/min		P
8.6.2	Orientation of the nozzle		P
8.6.3	No water entered the enclosure		P
8.8	Outdoor corrosion protection		P
8.8.1	600-hour salt spray test		N/A
8.8.1.1	Tested in accordance with 8.7		N/A
8.8.1.2	No pitting, cracking, or other deterioration		N/A
8.8.2	1200-hour moist carbon dioxide-sulphur dioxide-air test		P
8.8.2.1	General		P
8.8.2.1.1	Two unscribed and two scribed specimens tested		P
8.8.2.2	Scribed specimens		P
8.8.2.2.1	Prepared for testing		P
8.8.2.2.2	Scribe the specimen		P
8.8.2.3	Test procedure		P
8.8.2.3.1	The apparatus used		P
8.8.2.3.2	Sulfur dioxide and carbon dioxide supplied to test chamber		P
8.8.2.3.3	Specimens support		P
8.8.2.3.4	Compliance: a), b) and c)		P
8.9	Additional corrosion protection for type 3X, 3RX, 3SX, 4X and 6P	Type 4X	P
8.9.1	200-hour salt spray test		P
8.9.1.1	Tested in accordance with 8.7		P
8.9.1.2	No pitting, cracking, or other deterioration		P

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Appendix: Size of the different models

	TD-5433E1-VT2	TD-9423A3BH-A-LR	TD-9443C3H-SD	TD-5433E1-ST2	TD-9423E3B-A	TD-9423A3-LR
Appearance						
Size						
						

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Appendix: Photos



Views of the model TD-5433E1-ST2

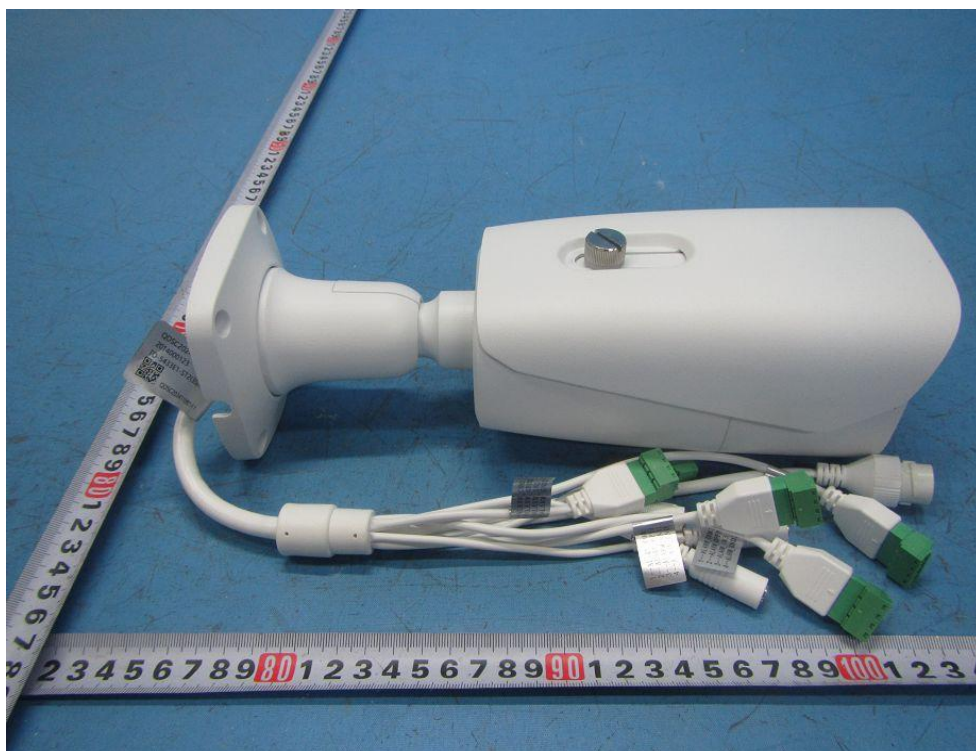


Views of the model TD-5433E1-ST2

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Views of the model TD-5433E1-ST2



Views of the model TD-5433E1-ST2

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Views of the model TD-5433E1-ST2



Views of the model TD-5433E1-VT2

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Views of the model TD-5433E1-VT2



Views of the model TD-5433E1-VT2

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Views of the model TD-5433E1-VT2



Views of the model TD-9423A3BH-A-LR

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Views of the model TD-9423A3BH-A-LR



Views of the model TD-9423A3BH-A-LR

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Views of the model TD-9423A3BH-A-LR



Views of the model TD-9423A3BH-A-LR

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Views of the model TD-9423A3-LR



Views of the model TD-9423A3-LR

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Views of the model TD-9423A3-LR



Views of the model TD-9423A3-LR

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Views of the model TD-9423E3B-A



Views of the model TD-9423E3B-A

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Views of the model TD-9423E3B-A



Views of the model TD-9423E3B-A

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Views of the model TD-9423E3B-A



Views of the model TD-9443C3H-SD

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Views of the model TD-9443C3H-SD



Views of the model TD-9443C3H-SD

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Views of the model TD-9443C3H-SD



Views of the model TD-9443C3H-SD

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4.1.2		TABLE: Critical components information				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Plastic material of front pane	Covestro Deutschland AG	9417 +(z)(f1)	PC, V-0, 125°C, min. thickness 2.0mm	UL 94 UL 50E	UL E41613	
Metal enclosure	Various	Various	Aluminum or aluminum alloy, min. thickness 2.0mm.	UL 50E	Tested with appliance	
Input wire	Henan CARVE Electronic Technology Co., Ltd.	2464	Min. 24AWG, 300V, 80°C, VW-1	UL 758	UL E346485	
Alt.	SHENZHEN DERONXIN TECHNOLOGY CO LTD	2464	Min. 24AWG, 300V, 80°C, VW-1	UL 758	UL E314998	
Alt.	Various	2464	Min. 24AWG, 300V, 80°C, VW-1	UL 758	UL	
Gasket	Shanghai Allied Industrial Co Ltd	G10107, G10411	Suitable for UL 50E continuous and periodic compression applications for enclosures Type 4X, max. Temp. 155°C.	UL 157 UL 50E	UL MH65654	

End of Test Report