

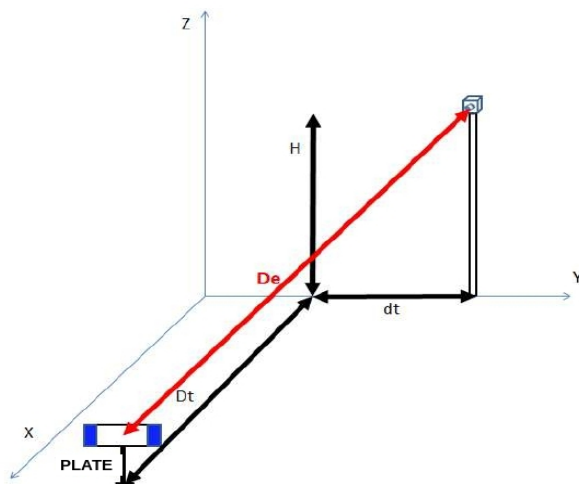
TARGA SERIES CAMERA

This document contains the technical description of the tested camera, the geometries adopted in the laboratory for conducting the various tests, and the summary table of the results obtained in the tests carried out according to the ISO 10772:2016 standard.

Certification Body:

Qualilab Srl, Via Trento, 87 – 25020 – Capriano del Colle (BS) – Accredia Accreditation **Lab. 1235**

Installation geometry and camera data:

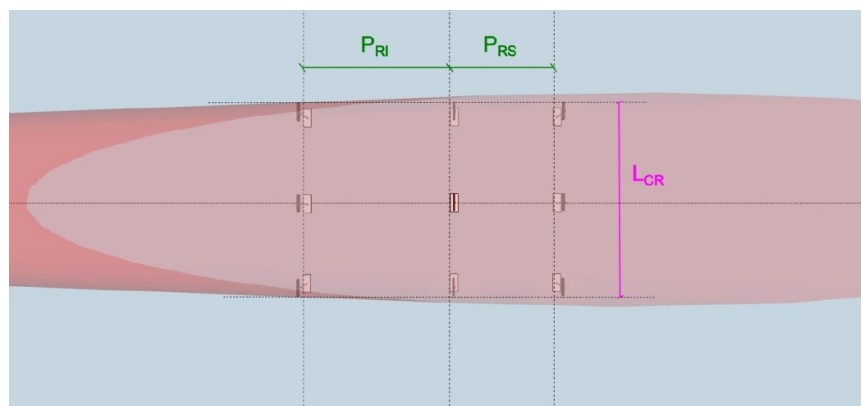
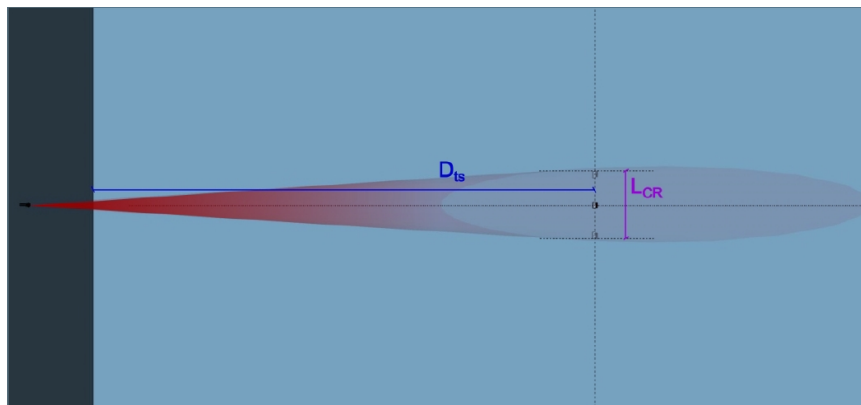


Camera Description

Sensor	5.1 MP – GS – Monochrome
Format	1/1.8"
Filter	IR 850 nm
Illuminator	LED 850 nm
Lens	M118VM1240IRCS
Hash (MD5)	738c4ef66df25de238dc8d9fd796f33a

Geometry Description

Dt (ground distance)	24.5 m
dt (offset from edge)	3.5 m
H (plate height above ground)	0.2 m
H (camera height above ground)	3.5 m
De (straight-line distance)	25.0 m
LCR	4.5 m
PRI	5.0 m
PRS	4.0 m



Summary table of the results of the tests conducted in compliance with ISO 10772:2016

Maximum perspective distortion angle check	8.5.1 D	100.00%	100.00%	A	11/10/19
Alphanumeric character check under optimal conditions	8.6 A	100.00%	100.00%	A	11/10/19
Sensitivity to ambient illumination level	8.6 B	100.00%	100.00%	A	11/10/19
Sensitivity to shadow effects	8.6 C	100.00%	100.00%	A	11/10/19
Sensitivity to motion (equiv. speed 50 km/h)	8.6 D	100.00%	100.00%	A	11/10/19
Sensitivity to motion (equiv. speed 70 km/h)	8.6 D	100.00%	100.00%	A	11/10/19
Extended Test – Rear Plates	Standard Clause	Plate Type A	Plate Type B	Class	Report Issue Date
Plate reading at speeds higher than those of the base test	8.7.4	100.00%	100.00%	A	17/01/20
Extended Test – Front Plates	Standard Clause	Front Plate		Class	Report Issue Date
Plate reading at speeds higher than those of the base test	8.7.4	100.00%		A	17/01/20
Extended Test – Front Plates	Standard Clause	Front Plate		Class	Report Issue Date
Recognition field check at 0 lux	8.5.2 C	100.00%		A	11/10/19
Maximum perspective distortion angle check	8.5.2 D	100.00%		A	11/10/19
Alphanumeric character check under optimal conditions	8.7.3 A	100.00%		A	11/10/19
Sensitivity to ambient illumination level	8.7.3 B	100.00%		A	11/10/19
Sensitivity to shadow effects	8.7.3 C	100.00%		A	11/10/19
Sensitivity to motion (equiv. speed 50 km/h)	8.7.3 D	100.00%		A	11/10/19
Sensitivity to motion (equiv. speed 70 km/h)	8.7.3 D	100.00%		A	11/10/19
Free-run Test – Front and Rear Plates		Plate Type A/B	Front Plate	Class	Report Issue Date
Check in daylight conditions (>25,000 lux)		100.00%	100.00%	A	21/10/19
Check in night-time conditions (<5 lux)		100.00%	100.00%	A	21/10/19
Extended Recognition Test with NON-Channelled Traffic – Front and Rear Plates	Standard Clause	Plate Type A/B	Front Plate	Class	Report Issue Date
Character recognition, simultaneous transits (non-channelled traffic)	7.7.2 A	100.00%	100.00%	A	17/01/20
Extended Test – Motorcycle and Moped Plates	Standard Clause	Motorcycle Plate	Moped Plate	Class	Report Issue Date
Recognition field check at 0 lux	8.5.2 C	100.00%	100.00%	A	17/01/20
Maximum perspective distortion angle check	8.5.2 D	100.00%	100.00%	A	17/01/20
Alphanumeric character check under optimal conditions	8.7.1 A	100.00%	100.00%	A	17/01/20
Sensitivity to ambient illumination level (0 lux and 10 klux)	8.7.1 B	100.00%	100.00%	A	17/01/20
Sensitivity to shadow effects	8.7.1 C	100.00%	100.00%	A	17/01/20
Sensitivity to motion (equiv. speed 50 km/h)	8.6 D	100.00%	100.00%	A	17/01/20
Sensitivity to motion (equiv. speed 70 km/h)	8.6 D	100.00%	100.00%	A	17/01/20
Perspective distortion angle with azimuthal rotation (10°-20°-30°)	8.7.1 E	100.00%	100.00%	A	17/01/20
Alphabet character recognition with simultaneous transits	8.7.1 F	100.00%	100.00%	A	17/01/20
Extended Test – Motorcycle and Moped Plates	Standard Clause	Motorcycle Plate	Moped Plate	Class	Report Issue Date
Plate reading at speeds higher than those of the base test	8.7.4	100.00%	100.00%	A	17/01/20
Free-run Test – Motorcycle and Moped Plates		Motorcycle Plate	Moped Plate	Class	Report Issue Date
Check in daylight conditions (>25,000 lux)		100.00%	100.00%	A	17/01/20
Check in night-time conditions (<5 lux)		100.00%	100.00%	A	17/01/20

Cicognara, 8 May 2025

Renato Grassi

CTO Selea

