

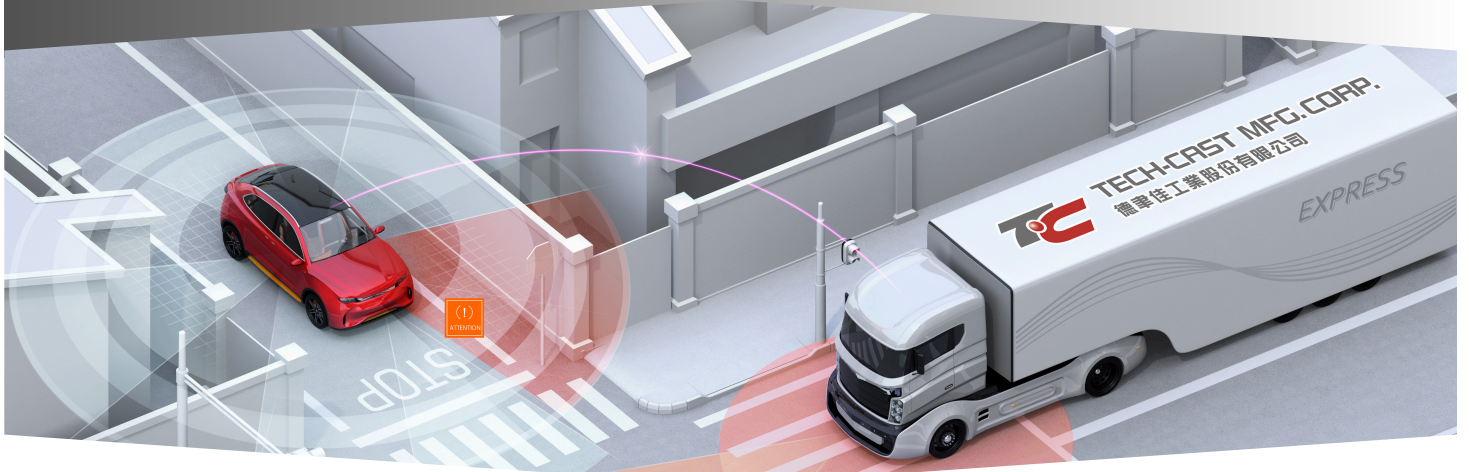


AI VISION SAFETY SOLUTIONS

FOR TRUCKS & COMMERCIAL VEHICLES

GLOBAL COMPLIANCE
UN/ECE R46 • R151 • R158 • R159 • R10

Automotive-Grade Manufacturing
OEM / ODM Solutions
IATF 16949 & ISO 9001 Certified



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AI Camera Blind Spot Information System

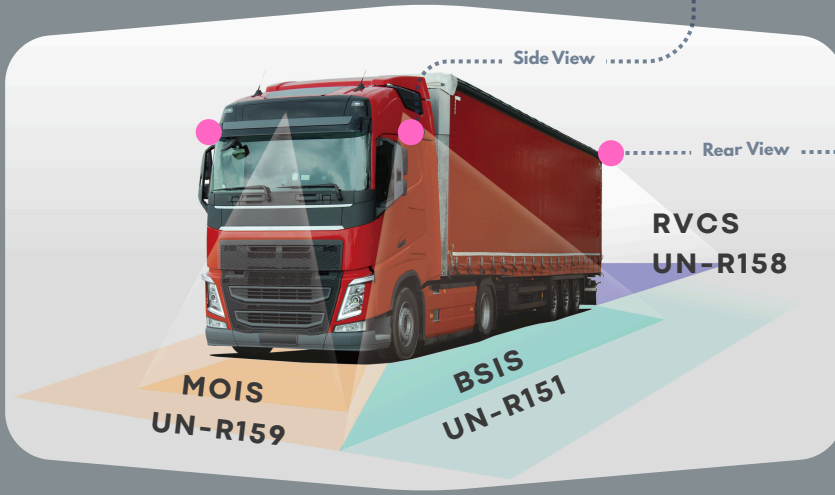
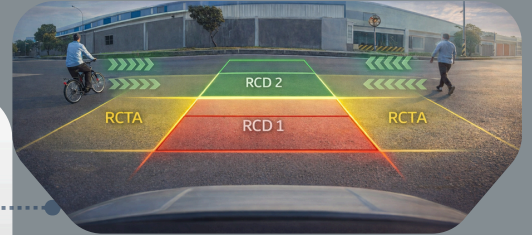
UN/ECE R151 • R158 • R159 Compliant

Edge AI Processing

AHD/TVI
3MP sensor, 720P output

OSD Display
LED & Buzzer Alert

Built-in AI chip (AEC-Q100)



- Vehicle • Cyclist • Pedestrian Detectable
- Warning Range: 5M
- Visibility Range: 40M

CMS Camera Monitoring System



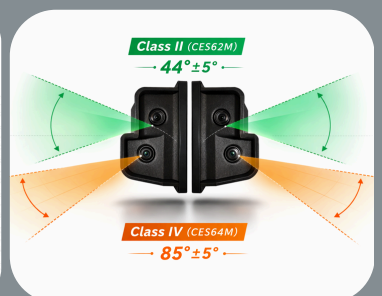
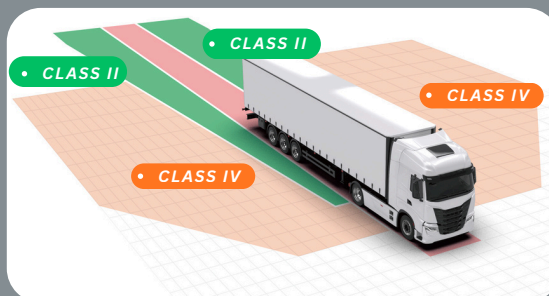
Class II & IV Split-View Display

UN/ECE R10, R46 & VSCC 27-1 Compliant

Clear Vision in Low-Light & Rain

VRU Protection for Trucks, Buses












12.3" HD Dual Screen



Camera Driving Safety Solution

Ai Camera

AHD/TVI

Specification	CES63M 	CER48M 	CES68M 	CER58M  Metal
Image Sensor	1/2.6" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/4" CMOS
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720
FOV. (H/V/D)	70°/40°/80°	133°/72°/150°	145°/81°/165°	180°/100°/200°
Min. Illumination	≥0.1 Lux	≥0.5 Lux	≥0.5 Lux	5.0 Lux
IP Level	IP 69K	IP 69K	IP 67	IP68
Working Temp.	-20°C ~ +75°C	-30°C ~ +75°C	-30°C ~ +80°C	-30°C ~ +75°C
LFM	V	-	-	-
WDR	V 	V 	-	V 
Specification	CER67M  Metal	CER55M  Metal	CEC66M 	CEC51M 
Image Sensor	1/4" CMOS	1/3" CMOS	1/4" CMOS	1/3" CMOS
Resolution	1280 x 720	1280 x 720	1280 x 720	1280 x 720
FOV. (H/V/D)	90°/50°/110°	135°/85°/160°	153°/95°/168°	180°/138°/220°
Min. Illumination	0 Lux with IR	0 Lux with IR	≥0.5 Lux	≥0.5 Lux
IP Level	IP 67	IP 69K	IP 67	IP 69K
Working Temp.	-20°C ~ +70°C	-30°C ~ +80°C	-30°C ~ +75°C	-30°C ~ +75°C
LFM	-	-	-	V
WDR	-	V	-	-

CVBS

Specification	CES12M 	CER32M 	CER50M  Metal	CEC39M 
Image Sensor	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Resolution	720 x 480	720 x 480	720 x 480	640 x 480
FOV. (H/V/D)	123°/95°/154°	123°/95°/154°	123°/95°/154°	155°/115°/190°
Min. Illumination	≥0.5 Lux	0 Lux with IR	0 Lux with IR	≥1.0 Lux
IP Level	IP 68	IP 68	IP 69K	IP 67
Working Temp.	-30°C ~ +70°C	-30°C ~ +70°C	-40°C ~ +85°C	-30°C ~ +70°C
Microphone	-	V	V	-

Monitor 7" ~ 10" LCD



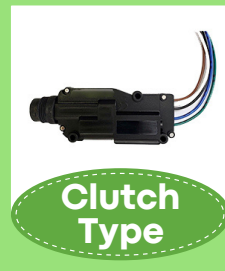
Touch Panel

Specification	MOD751	MOD771	MOD772	MOD104
Panel Size	7 Inch	7 Inch	7 Inch	10 Inch
Resolution	800RGB(W)x480(H)	1024RGB(W)x600(H)	1024RGB(W)x600(H)	1024RGB(W)x600(H)
Video Input	2	3	2	4
LCD Profile Ratio	16:9	16:9	16:9	16:9
Brightness	> 400 cd/m ²	> 400 cd/m ²	> 320 cd/m ²	> 500cd/m ²
Input Format	Auto-Switch NTSC/ PAL	Auto-Switch NTSC/ PAL /AHD	Auto-Switch NTSC/ PAL /AHD	Auto-Switch NTSC/ PAL /AHD
Working Voltage	DC 10V ~36V	DC 12V ~24V	DC 12V ~24V	DC 10V ~ 36V
Power Consumption	< 6W	< 12W	< 12W	< 6W
Working Temp.	-20°C ~ +70°C	-20°C ~ +70°C	-20°C ~ +70°C	-25°C ~ +70°C
Memory Card	-	-	Up to 128G (SD Class 10)	Up to 256G (SD Class 10)
DIM. (W/H/D)	182/120/29mm	176/125/68mm	176/125/68mm	255/158/29mm

Door Lock Actuator/ Central Lock

IPX4

Specification	TL5000W	TL5000B	TL5000F
Working Voltage	12V ±1.5 V	12V ±1.5 V	12V ±1.5 V
At Stall Current	4.5±1A	4.5±1A	2.5~ 5A
Working Temp.	-40°C ~ +70°C	-40°C ~ +70°C	-20°C ~ +60°C
Push/Pull (Loaded)	>5.5kg	>5.5kg	>4.5kg
Travel Distance	20.5 ±1mm	20.5 ±1mm	20.5 ±1mm
Weight	2W: 100g ± 5g	2W: 100g ± 5g 5W: 102g ± 3g	2W:90g ± 3g 5W: 102g ± 3g



Clutch Type

Specification	TL6000C	TL6000Z	TL6204C	Control Module
Working Voltage	12V ±1.5 V	12V ±1.5 V	12V ±1.5 V	9V~15V
At Stall Current	5.5±2A	4.3±1.5A	5.5±2A	Working Current 15A/12V
Working Temp.	-40°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +60°C	-20°C ~ +60°C
Push/Pull (Loaded)	3kg	3kg	3kg	-
Travel Distance	21 ± 1 mm	21 ± 1 mm	21 ± 1 mm	-
Weight	2W: 100 ± 3g 5W: 110 ± 3g	2W: 100 ± 3g 5W: 110 ± 3g	2W: 100 ± 3g 5W: 110 ± 3g	60g ± 5g



Gear Type