



Chainzone Proposal for A1 Project

To :

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Company

Chainzone Technology(Foshan) Co., Ltd. is now a world leading VMS manufacturer. Its VMS products are working on all continents of the world. Chainzone Tech. is one of the few Chinese manufacturers that has obtained the EN12966 Certificate at the highest standards for its VMS with Optical Lens Structure.

On the company level, Chainzone has obtained ISO9001, ISO14001, ISO27001 and OHSAS18001 certificates, many patent registrations, and has its trade marks IMPOSA and CHAINZONE registered in many countries and regions.

On the product level, Chainzone has got several EN12966 certificates, UL listing, many CE certificates, and passed the company inspection by IG laboratory on EN12966.

Electrical performance

The use of famous brands of high-standard electrical devices can ensure the high electrical performance and higher reliability, such as CREE LED, MEANWELL power supplies, etc.

LED constant current power supply; low power consumption circuit design, low power consumption main control system design; very low standby current, and power saving mode design. The standby current is nearly zero.

With high optical performance of the lens design, Chainzone's VMS can achieve the overall low-power consumption superior performance.

Please pay attention to the following parameter table about power consumption and you can find how low power consumption of Chainzone's VMS can achieve.

[illegible]

YW520 K65-A
Polypropylene, 2.0mm
Extruded (class: B, P, W, R, G, L)

Material	Thickness [mm]	Heat [°C]	Grease [mm]	Grub [mm]
Heat		6.00	-	-
material cap of material (mm)	31.00	12.00		
Grease		-	1.50	-

VMS10-RGB-A				
Date print: 20/06				
P/N 12668-010001111111/01/2/2/2				
Colour	Luminance [cd/m²]	Red [Max. allowed current: 20mA]	Green [Max. allowed current: 20mA]	Blue [Max. allowed current: 20mA]
Red		0.00		-
Percentage of max. allowed current (%)	35.0	17.00%		
Green			2.69	-
Percentage of max. allowed	61.0		7.60%	

Technical specifications

EN12966 P20 VMS	
Display specifications	
Pixel Pitch :	20mm
-Colour:	Full colour (RGB)
-Pixel Configuration:	SMD+Optical lens design, full matrix
-Structure:	Modular design
-Module Resolution(pixels):	8x16
-Size of Module(mm)(HxW):	160x320
-Display Resolution(pixels)(HxW):	64x64
-Disply Area(mm)(HxW):	1280x1280
-Cabinet size(mm)(HxW):	1380x1380
-Language:	English and other languages available
-Refreshing Rate:≥	≥ 1000HZ
-Humidity Range:	20-95%
LED Information	
-Nominal work life for LED :	100,000 Hours
Standard	
Certificate	EN12966
EMC	Compliant with EN50293
EN12966 Criterias	
Luminance:	L3/L3*(Red>3100cd/m ² ,Green>3720cd/m ² Yellow>7400cd/m ² ,White>12400cd/m ²)
-Colour:	C2
-Contrast Ratio:	R3
-Beam Width:	B6
-Temperature:	T1/T2/T3
-Protection:	IP56(P3)
EN12899 Criteria	
PAF1, WL9, DSL4, PL3, TDB1, TDT2	
Power	
Average Power Consumption:	Less than 147.456W
Power supply	48 VDC or 230V AC
Cabinet	
Enclosure Material:	stainless steel
-Enclosure Surface:	Powder Coated, Matte Black
-Maintenance:	Front/Back Maintenance
-Weight:	116.17KG
Other Components	
Light sensor:	Two: front and back
Built-in Temperature Sensor	Yes
Surge Protection Device/ Over-voltage Arrester	Yes. (Higher than 275 V, 15 kA)
Brightness Control	256, levels auto or manual control available
Open door sensor:	Included
Watchdog	Yes
Control System:	GMDV controller
Communication:	RS232/RS485, (additional options Ethernet,4G, NTCIP/Modbus/Profibus)
Internal memory:	At least 2048MB
Pixel failure detection	Yes
Shutting down the LED circuit fault;	Yes
LED controller fault;	Yes
Light sensor fault;	Yes
Connection with GVIS master controller disappearance;	Yes
The internal temperature;	Yes



CHAINZONE TECHNOLOGY (FOSHAN) CO., LTD.

Chainzone Industrial Park, Taishan Bei Rd., Sanshan Avenue, Nanhai

District, Foshan City, Guangdong 528200 China

Tel: 86-757-86393001 Fax: 86-757-86280189

Warranty Declaration

To whom it may concern,

Chainzone Technology (Foshan) Co., Ltd hereinafter Chainzone is a professional manufacturer of EN12966 compliant VMS.

Hereby, Chainzone would like to confirm that we will cooperate with JSC "Maniga" for the installation of speed control and warning systems of the national road A1 Vilnius-Kaunas-Klaipėda section from 10,000 to 95,000 km (purchase number 451927). Chainzone will offer Three-year warranty of "in-house" factory repair or replacement for this project from the date shown on the bill of lading.

Address: Chainzone Industrial Park, Taishan Bei Rd.,
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www.chainzone.com

Contact



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Letter of Support

To whom it may concern,

Chainzone Technology (Foshan) Co.,Ltd hereinafter Chainzone is a professional manufacturer of EN12966 compliant VMS.

Hereby, Chainzone would like to confirm that we will be responsible for offering technical, maintenance and spares support from the date we sign the contract of A1 project with JSC "Maniga" until December 31, 2029.

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Contact