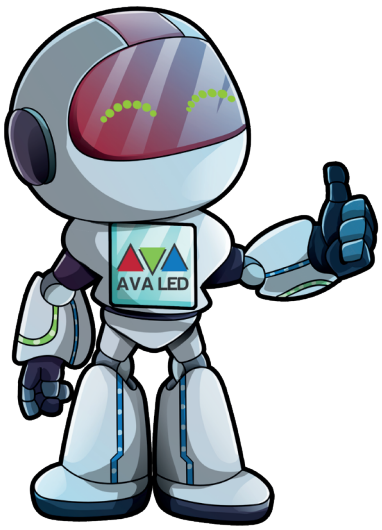
AVA LED

QALITY IN DETAIL

TN-OF-4

Data Sheet



OUTDOOR SERIES

TN-OF 4| TN-OF-4 PRO| TN-OF-4 PLUS

ISO 9001:2015

CE

CERTIFIED ISO 14001:2015 COMPANY

TITLE OF CONTENTS

02-03 Series and Features

04-05 Product Details

06 - 07 Product Size - Photo

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FEATURES

- Advanced Contrast Brightness Black technology,
- Advanced High Refresh Rate,
- Fast installation of panel to Light Frame,
- Just Signal person to install/uninstall, saving labor cost
- Die-Casting Aluminum-Magnesium frame design, fanless design.
- No noise, lower power consumption, good heat dissipation.

FEATURES

TN-OF-4

- Standart Refresh Rate: 1920Hz
- C Class Led Chip
- Standart PCB Quality
- High Quality MASK
- Rotation 90 Degree

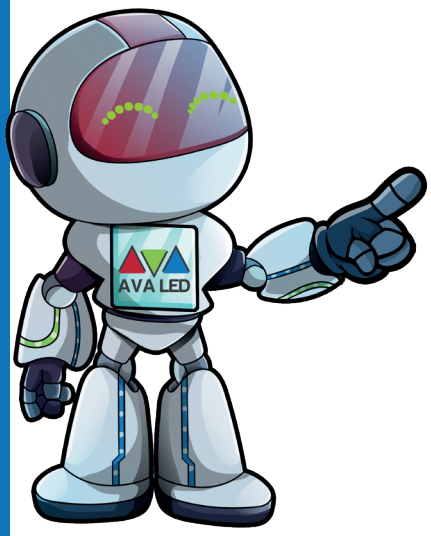
TN-OF-4 PRO

- High Refresh Rate: 3840Hz
- B Class Led Chip
- High Quality PCB
- High Quality MASK
- Rotation 90 Degree

TN-OF-4 PLUS

- High Refresh Rate: 3840Hz
- A Class Led Chip
- Best Quality PCB
- Best Quality MASK
- High end Refresh Rate
- 18 Bit
- Clear View
- Free Rotation
- HDR
- 4K Refresh Rate

PRODUCT DETAILS





Features

*** Back Services
*** Light Weight
*** Magnesium Die-Casting
*** 4 in 1 Case weight with products: 129kg.
*** Faster Cooling
*** Advenced and safety Lock
*** Nova Star Controller
*** Black Shell

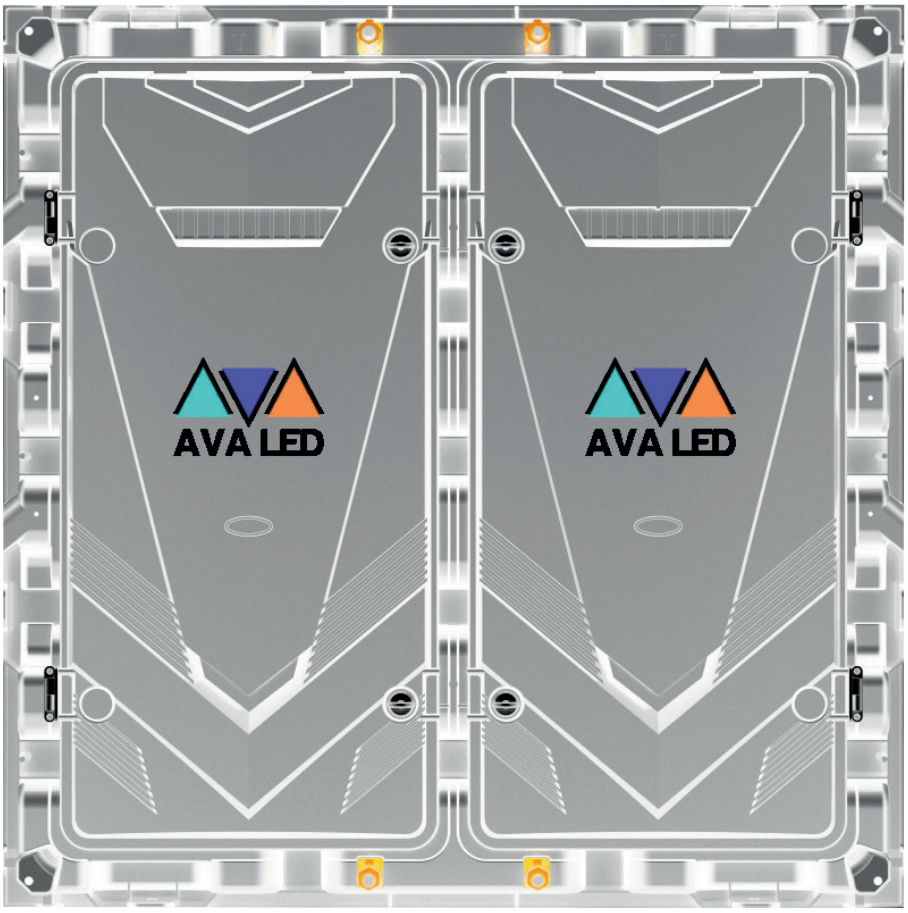
PRODUCT DETAILS

TECHNICAL SPECIFICATION

MODEL NAME Version	TN-OF 4	TN-OF 4 PRO	TN-OF 4 PLUS
Pixel Pitch	4mm	4mm	4mm
Pixel Configuration	SMD 2727	SMD 2727	SMD 2727
LED	Black Shell	Black Shell	Black Shell
Processing	16 Bit	16 Bit	-
Processing	-	-	18 Bit
Pixel Density / m2	62500	62500	62500
Resolution/SQM	250 x 250	250 x 250	250 x 250
Cabinet Resolution 960 x 960	240 x 240	240 x 240	240 x 240
Pixel Density / Cabinet	57600	57600	57600
Module Size (mm)	320x160	320x160	320x160
Cabinet Size (mm)	960 x 960 x 105	960 x 960 x 105	960 x 960 x 105
Module Per Cabinet	18 MODULE	18 MODULE	18 MODULE
Module Resolution	80 x 40	80 x 40	80 x 40
Weight Per Panel Net kg. 960x950mm	25kg.	25kg.	25kg.
Rotation per 90 Degree	❍	❍	✓
Free Rotation (with R5)	❍	❍	✓
Mapping	❍	❍	✓
Clear View	❍	❍	✓
Low Latency	❍	❍	✓
HDR	❍	❍	✓
Power Consumption (<w/sqm)	780	780	780
Average Power Consumption (<w/sqm)	312	312	312
Driving Method	1/10		
Brightness	>6000 Nits	>6300 Nits	>6500 Nits
Refresh Rate	>1920Hz	-	-
Refresh Rate High Refresh	-	>3840Hz	>3840Hz
Refresh Quality	Standart Quality	High Quality	Best Quality
High Refresh (PLL inside)	-	-	✓
High Refresh Power Saving	-	✓	✓
High Refresh Dynamic Power Saving	-	-	✓
Driving IC Type	Ordinary	PWM	
Refrate Quality 2	Standart Quality	High Refresh	4K Refresh Rate
No Waterless Ripple of Camera	>%50	>%75	>%90
Cabinet Material	Die-Casting Magnesium	Die-Casting Magnesium	Die-Casting Magnesium
Horizontal Viewing Angle	140 (±30)	140 (±30)	140 (±30)
Vertical Viewing Angle	140 (±30)	140 (±30)	140 (±30)
Expected LED Lifetime %50	100,000 Hours	100,000 Hours	100,000 Hours
IP Rating	Back IP54 / Front IP65	Back IP54 / Front IP65	Back IP54 / Front IP65
PCB Quality	High Quality	Best Quality	Best Quality
Module - Mask Quality	High Quality	Best Quality	Best Quality
LED Chip	Class C	Class B	Class A
Picture / Video Quality	Standart	High Quality	Best Quality
Grey Scale	65536	65536	262144
Control Systems	Nova Star	Nova Star	Nova Star
Operating Temperature Range	-20 – +60 (±10)	-20 – +60 (±10)	-20 – +60 (±10)
Operating Humidity Range	-40℃~+60℃,10%-90%RH	-40℃~+60℃,10%-90%RH	-40℃~+60℃,10%-90%RH
Voltage Range	200 ~240VAC	200 ~240VAC	200 ~240VAC
Packing include	Plate-Power-Cat5 Cable	Plate-Power-Cat5 Cable	Plate-Power-Cat5 Cable
Certificate	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015

CABINET SIZE

size : 960mm



size : 960mm

size : 105mm



25KG.

1.030mm

700mm



size : 1.150mm

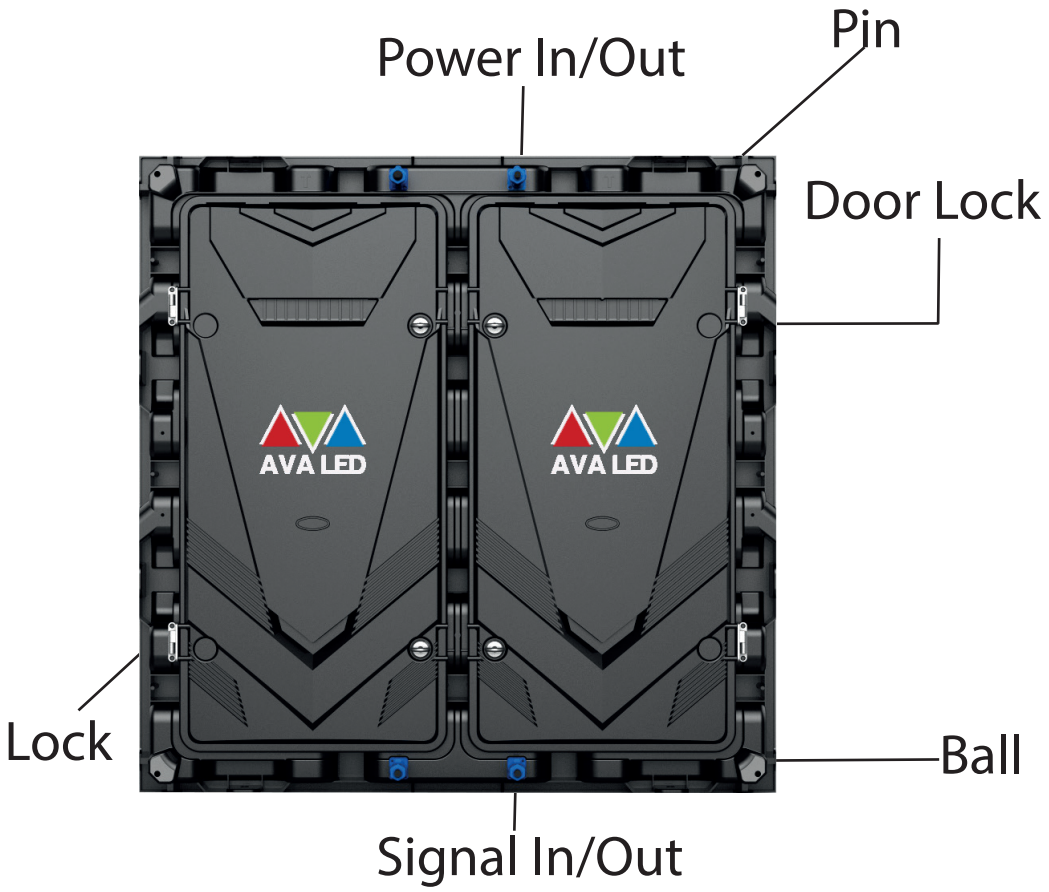
4 IN 1 - 139KG.

QALITY IN DETAIL

PRODUCT PHOTO



CABINET DETAIL



size : 4.800mm



SAFETY

CASE

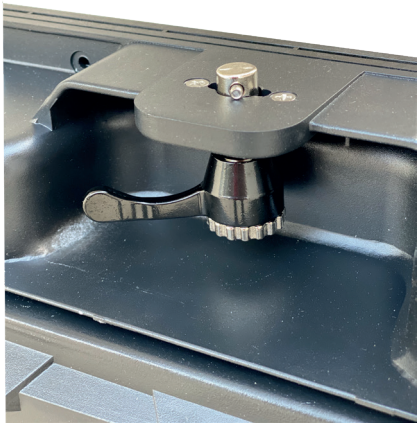




HANDLE



LOCK



BALL



POWER



The support structure has to be provided and installed by the customer because they very from project to project. The following issues must be considered:

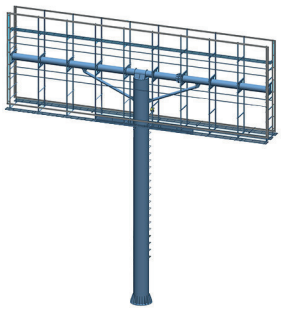
Weight tolerances: Ensure that the support structure and the floor on which or the wall against which the support structure has to be installed, is qualified to handle the complete weight of the LED display screen.(which can be provided by manufacturer.

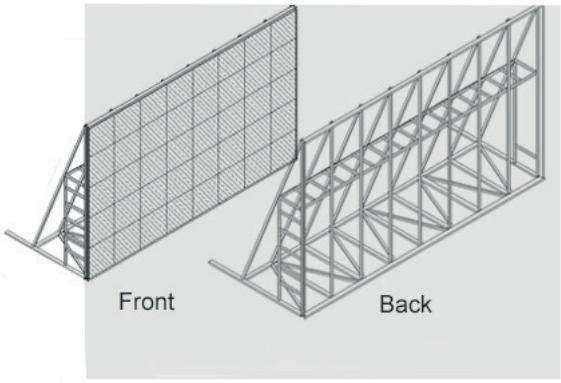
Environmental conditions: Humidity, wind, temperatures, rain, snow etc.

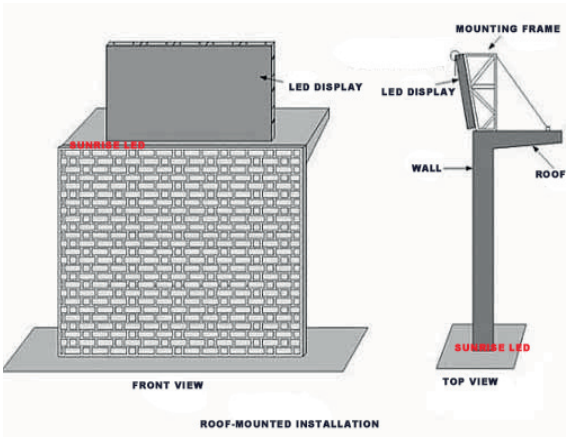
Ground stability
Front clearances: For making sure there is sufficient free area in front of the LED display screen and respect the maximum viewing angles and distance. Local regulations regarding such installation.

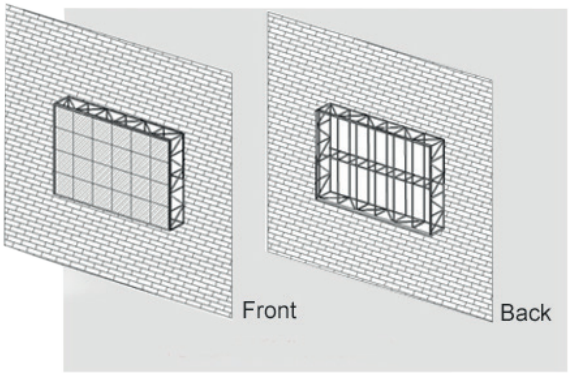


INSTALLATION













ACCESSORIES



FLY BAR





CASE



POWER



SIGNAL

NEUTRIK

CNLINKO®

SEETRONIC

END

AVA LED

www.avaledscreen.com
info@avaledscreen.com

AVA GROUP GMBH

Adress: Goethestraße 7D - 40237 Düsseldorf / Germany

Phone : +49 211 730 64 817

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