



# AVA LED

## TN-OF-8 Data Sheet

QUALITY IN DETAIL

TN FIX SERIES OTHER MODELS

OUTDOOR SERIES

TN-OF 8 | TN-OF-8 PRO | TN-OF-8 PLUS



02-03	○ Series and Features
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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.

### TN-OF-8

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

### TN-OF-8 PRO

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



## Features

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

## ○ TECHNICAL SPECIFICATION

# PRODUCT DETAILS

MODEL NAME	TN-OF 8	TN-OF 8 PRO
Features		
Series	Standart	Pro
Panel installation type	Fix Instalation	Fix Instalation
Operating Environment	Outdoor	Outdoor
Pixel Pitch	8mm	8mm
Brightness	>6200 Nits	>6500 Nits
Refresh Rate	>1920Hz	>1920Hz
Weight / m2	27,5	27,5
Material Brands		
Lamp	Class A	Class A
Entegred	Chipone	Chipone
Powersupply	Meanwell	Meanwell
Controller	Novastar	Novastar
Connectors : Seetronic	Seetronic	Seetronic
Module Specifications		
Pixel Configuration	SMD 3535	SMD 3535
LED Chip	Cooper	Cooper
LED	Black Shell	Black Shell
Module Size (mm)	320x160	320x160
Module Resolution	40 x 20	40 x 20
Processing	>14-16 Bit	>14-16 Bit
PCB Quality	High Quality	Best Quality
Module - Mask Quality	High Quality	Best Quality
Picture / Video Quality	Standart	High Quality
Grey Scale	>65536	>65536
Cabinet Specifications		
Module Per Cabinet	18 MODULE	18 MODULE
Cabinet Size (mm)	960 x 960 x 105	960 x 960 x 105
Cabinet Material	Die-Casting Magnesium	Die-Casting Magnesium
Weight Per Panel Net kg.	25	25
Cabinet Resolution	120 x 120	120 x 120
Pixel Density / Cabinet	14400	14400
IP Rating	Back IP54 / Front IP67	Back IP54 / Front IP67
Others Specifications		
Driving IC Type	Ordinary	-
Refrate Quality 2	Standart Quality	High Refresh
No Waterless Ripple of Camera	>%50	>%75
Driving Method " Scan "	1/5	1/5
Resolution/SQM	125 x 125	125 x 125
Pixel Density / m2	15625	15625
White Color Calibration (Adj.)	3.500K~8.500K	3.500K~8.500K
Horizontal Viewing Angle	140 (±30)	140 (±30)
Vertical Viewing Angle	140 (±30)	140 (±30)
Low Latency	!	!
HDR	!	!
Mapping	!	!
Rotation per 90 Degree	!	!
Free Rotation (with R5)	!	!
Clear View	!	!
Refresh Quality	Standart Quality	High Quality
High Refresh (PLL inside)	-	-
High Refresh Power Saving	-	"
High Refresh Dynamic Power Saving	-	-
Expected LED Lifetime %50	>100,000 Hours	>100,000 Hours
Operating Temperature Range	-15 ~ +45 (±10)	-15 ~ +45 (±10)
Operating Humidity Range	-40# \$ +60# ,10%-90%RH	-40# \$ +60# ,10%-90%RH
Power on Time (<w/sqm)	900	900
Power Consumption (<w/sqm)	750	750
Average Power Consumption (<w/sqm)	300	300
Voltage Range	47 ~ 63Hz / 110 ~ 240 VAC	47 ~ 63Hz / 110 ~ 240 VAC
Version	REV22	REV22
Packing include	Plate-Power-Cat5 Cable	Plate-Power-Cat5 Cable
Usage Area	Auditorium, Concert Area , Advertisement, Shopping Center, Scoreboard & Totem	Auditorium, Concert Area , Advertisement, Shopping Center, Scoreboard & Totem
Certificate	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015

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QUALITY IN DETAIL

# CABINET SIZE

06

size : 960mm

size : 105mm



size : 960mm

25KG.

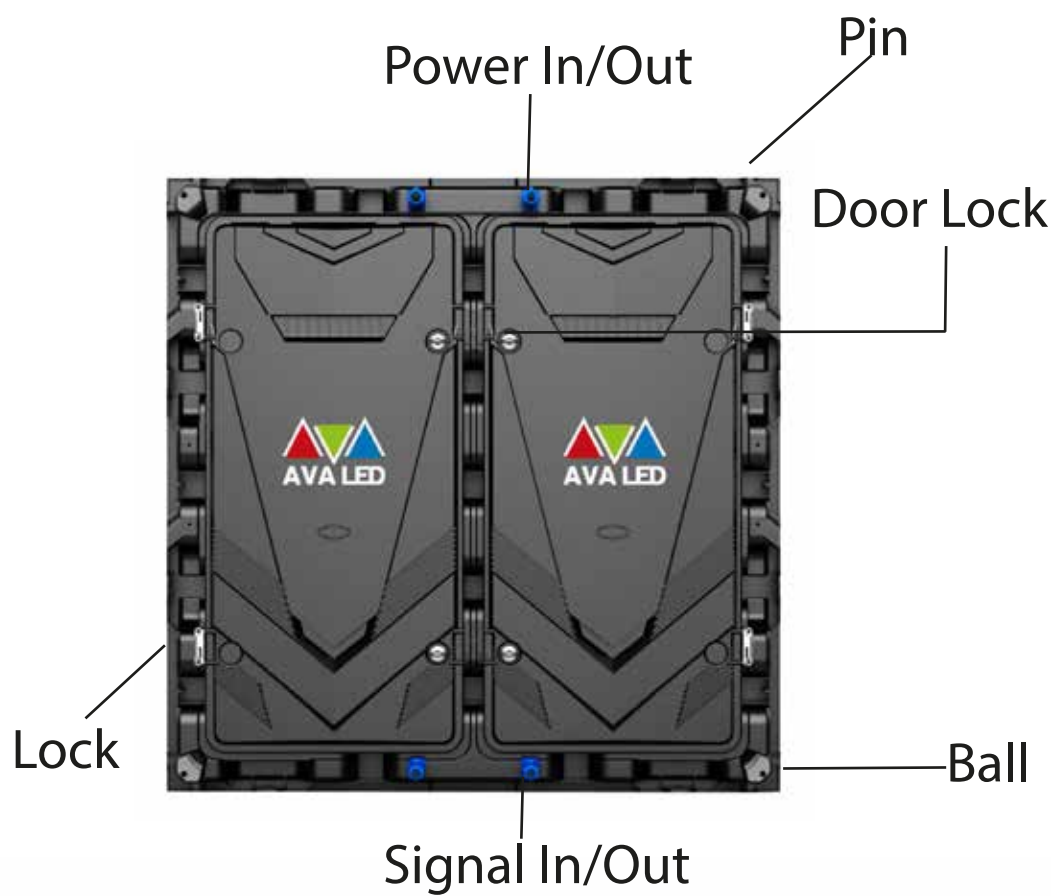


4 IN 1 - 139KG.

QUALITY IN DETAIL









CASE



HANDLE



LOCK



BALL



POWER

The support structure has to be provided and installed by the customer because they vary 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.

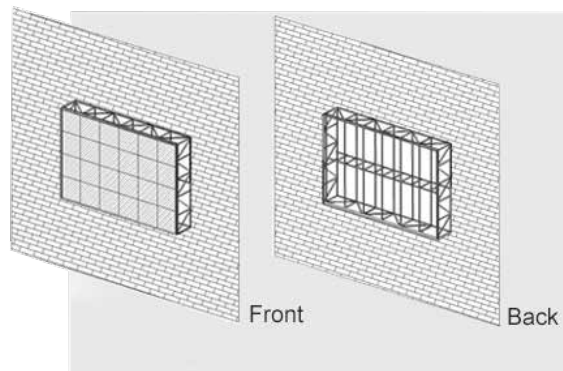
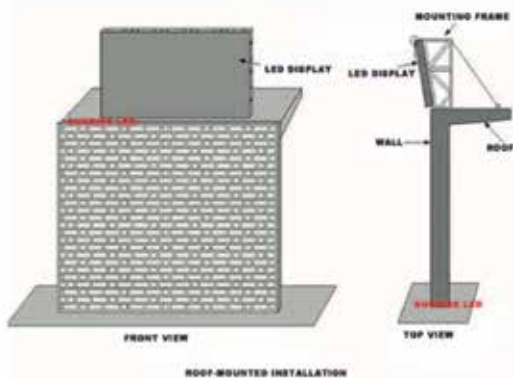
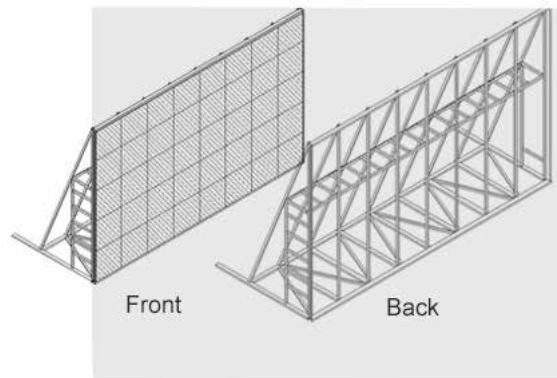
**Environmental conditions:** Humidity, wind, temperatures, rain, snow etc.

**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.









FLY BAR

960mm



CASE



POWER



SIGNAL





# AVA LED

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