



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
04-05	○ Product Details
06 - 07	○ Product Size - Photo
08-09	○ Cabinet Detail - Safety
10-11	○ Installation Guides
12-13	○ Accessories - Company Info

- 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
- C Class Led Chip
- Standart PCB Quality
- High Quality MASK
- Rotation 90 Degree

TN-OF-8 PRO

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

TN-OF-8 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

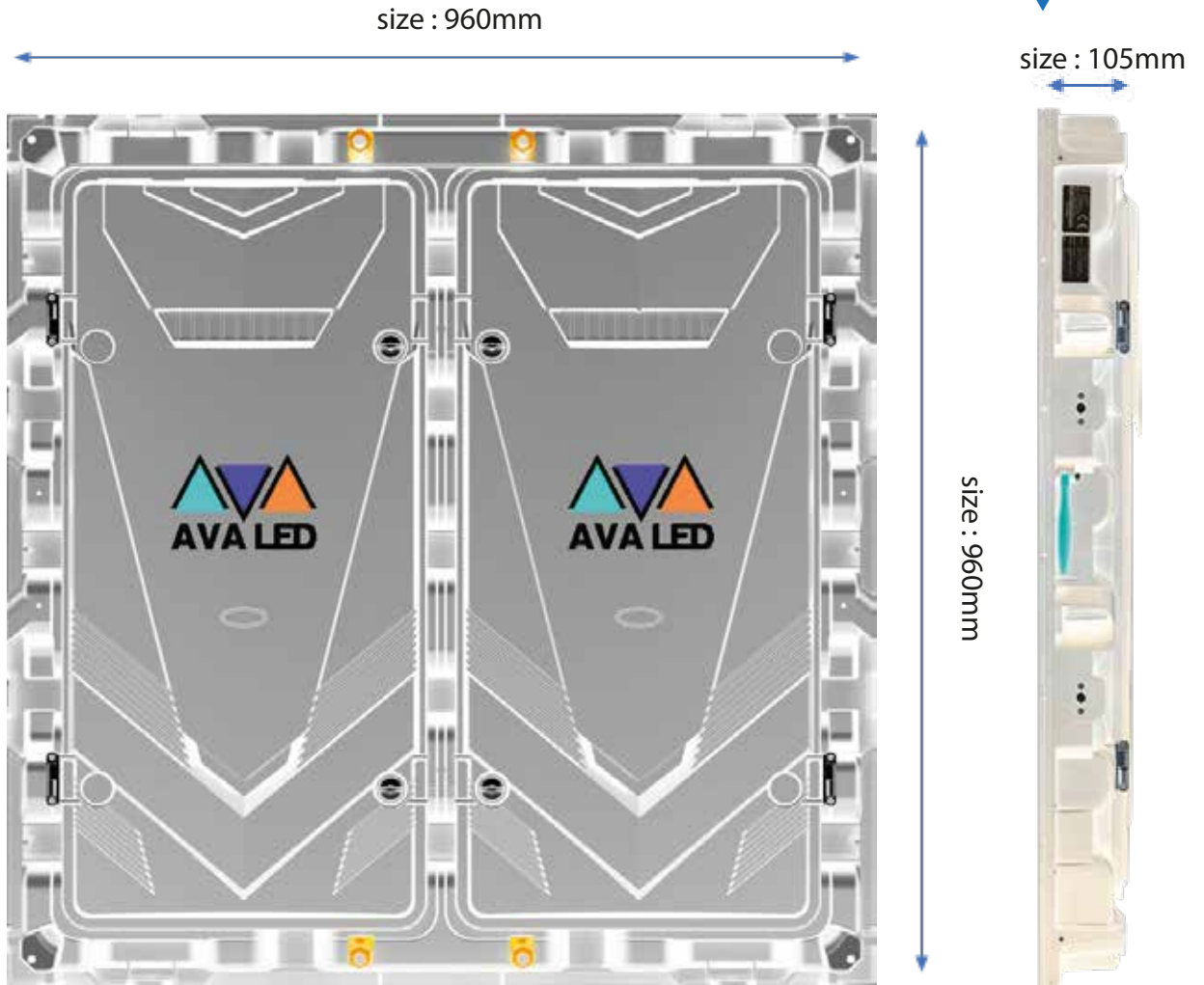


Features

- *** 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

MODEL NAME Version	TN-OF-10	TN-OF-10	TN-OF 10 Plus	TN-OF-10 Plus+
Pixel Pitch	10mm	10mm	10mm	10mm
Pixel Configuration	SMD3535	SMD3535	SMD3535	SMD3535
LED	Black Shell	Black Shell	Black Shell	Black Shell
Processing	16 Bit	16 Bit	-	-
Processing	-	-	18 BIT	18 BIT
Pixel Density / m2	10000	10000	10000	10000
Resolution/SQM	100 x 100	100 x 100	100 x 100	100 x 100
Cabinet Resolution 960 x 960	96 x 96	96 x 96	96 x 96	96 x 96
Pixel Density / Cabinet	9216	9216	9216	9216
Module Size (mm)	320x160	320x160	320x160	320x160
Cabinet Size (mm)	960 x 960 x 105	960 x 960 x 105	960 x 960 x 105	960 x 960 x 105
Module Per Cabinet	18 MODULE	18 MODULE	18 MODULE	18 MODULE
Module Resolution	32 x 16	32 x 16	32 x 16	32 x 16
Weight Per Panel Net kg. 960x950mm	25	25	25	25
Rotation per 90 Degree	○	○	✓	✓
Free Rotation (with R5)	○	○	✓	✓
Mapping	○	○	✓	✓
Clear View	○	○	✓	✓
Low Latency	○	○	✓	✓
HDR	○	○	✓	✓
Power Consumption (<w/sqm)	780	800	800	800
Average Power Consumption (<w/sqm)	312	320	320	320
Driving Method	1/4 Scan	1/2 Scan	1/2 Scan	1/2 Scan
Brightness	>6500 Nits	>7000 Nits	>7000 Nits	>8000 Nits
Refresh Rate	>1920Hz	-	-	-
Refresh Rate High Refresh	-	>3840Hz	>3840Hz	>3840Hz
Refresh Quality	Standart Quality	High Quality	Best Quality	Best Quality
High Refresh (PLL inside)	-	-	✓	✓
High Refresh Power Saving	✓	✓	✓	✓
High Refresh Dynamic Power Saving	-	-	✓	✓
Driving IC Type	-	-	PWM	
Refrate Quality 2	Standart Quality	High Refresh	4K Refresh Rate	
No Waterless Ripple of Camera	>%50	>%75	>%90	>%90
Cabinet Material	Die-Casting Magnesium	Die-Casting Magnesium	Die-Casting Magnesium	Die-Casting Magnesium
Horizontal Viewing Angle	140 (±30)	140 (±30)	140 (±30)	140 (±30)
Vertical Viewing Angle	140 (±30)	140 (±30)	140 (±30)	140 (±30)
Expected LED Lifetime %50	100,000 Hours	100,000 Hours	100,000 Hours	100,000 Hours
IP Rating	Back IP54 / Front IP65	Back IP54 / Front IP65	Back IP54 / Front IP65	Back IP54 / Front IP65
PCB Quality	Standart Quality	Best Quality	Best Quality	Best Quality
Module - Mask Quality	Standart Quality	Best Quality	Best Quality	Best Quality
LED Chip	Class C	Class B	Class A	Class A+
Picture / Video Quality	Standart	High Quality	Best Quality	Best Quality
Grey Scale	65536	65536	262144	262144
Control Systems	Nova Star	Nova Star	Nova Star	Nova Star
Operating Temperature Range	-20 - +60 (±10)	-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	-40℃~+60℃,10%-90%RH
Voltage Range	200 ~240VAC	200 ~240VAC	200 ~240VAC	200 ~240VAC
Packing include	Plate-Power-Cat5 Cable	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	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015

CABINET SIZE



25KG.

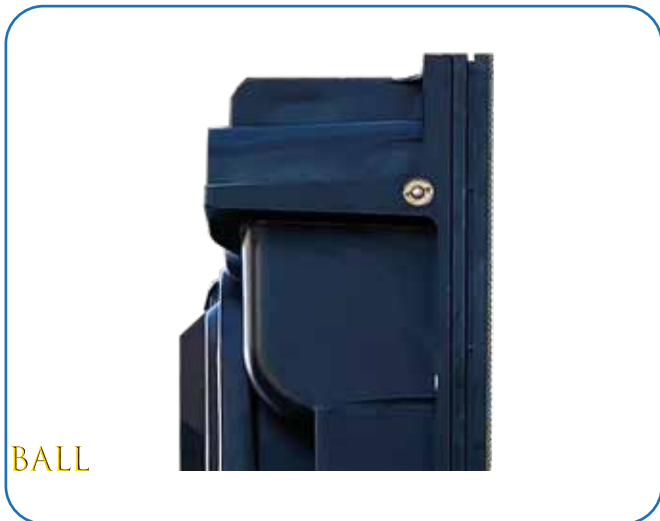


4 IN 1 - 139KG.

QUALITY IN DETAIL



PRODUCT PHOTO



SAFETY

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.

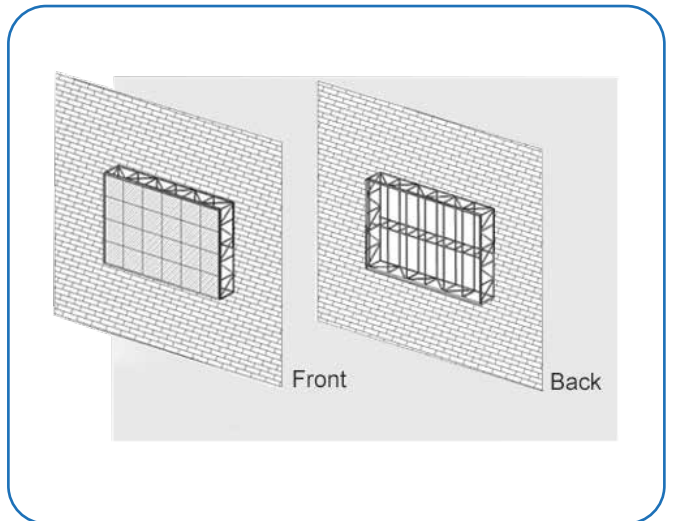
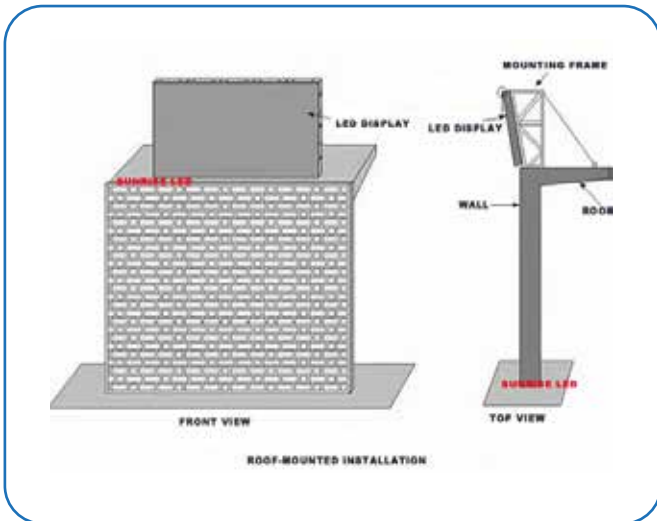
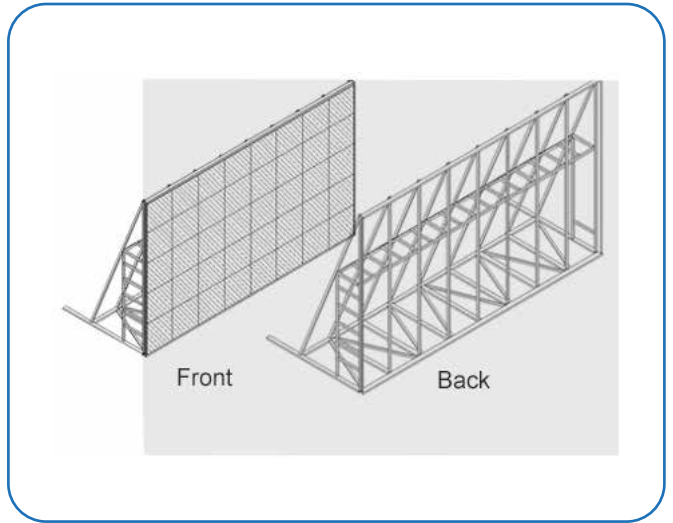
Environmental conditions: Humidity, wind, temperatures, rain, snow etc.

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.



INSTALLATION





FLY BAR



CASE



POWER



SIGNAL





AVA LED

www.avaledscreen.com

info@avaledscreen.com

AVA GROUP GMBH

Adress: Goethestraße 7D - 40237 Düsseldorf / Germany

Phone : +49 211 730 64 817

