



AVA LED

TN-OF-10

Data Sheet

QUALITY IN DETAIL

TN FIX SERIES OTHER MODELS

OUTDOOR SERIES

TN-OF 10 | TN-OF-10 PRO | TN-OF-10 PLUS



02-03	○ Series and Features
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06 - 07	○ Product Size - Photo
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12-13	○ Accessories - Company Info

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-10

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

TN-OF-10 PRO

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

TN-OF-10"P10" PLUS

- Standart Refresh Rate: 3840Hz
- 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

MODEL NAME	TN-OF-10	TN-OF-10 PRO	TN-OF 10 Plus
Features			
Series	Standart	Pro	Plus
Panel installation type	Fix Instalation	Fix Instalation	Fix Instalation
Operating Environment	Outdoor	Outdoor	Outdoor
Pixel Pitch	10mm	10mm	10mm
Brightness	>6500 Nits	>7000 Nits	>7200 Nits
Refresh Rate	>1920Hz	>3840Hz	>3840Hz
Weight / m2	27,5	27,5	27,5
Material Brands			
Lamp	Class A	Class A	Class A
Entegred	Chipone	Chipone	Chipone
Powersupply	Meanwell	Meanwell	Meanwell
Controller	Novastar	Novastar	Novastar
Connectors : Seetronic	Seetronic	Seetronic	Seetronic
Module Specifications			
Pixel Configuration	SMD 3535	SMD 3535	SMD 3535
LED Chip	Cooper	Cooper	Cooper
LED	Black Shell	Black Shell	Black Shell
Module Size (mm)	320x160	320x160	320x160
Module Resolution	32 x 16	32 x 16	32 x 16
Processing	>14-16 Bit	>14-16 Bit	>16-18 Bit
PCB Quality	Best Quality	Best Quality	Best Quality
Module - Mask Quality	Best Quality	Best Quality	Best Quality
Picture / Video Quality	High Quality	High Quality	Best Quality
Grey Scale	>65536	>65536	>262144
Cabinet Specifications			
Module Per Cabinet	18 MODULE	18 MODULE	18 MODULE
Cabinet Size (mm)	960 x 960 x 105	960 x 960 x 105	960 x 960 x 105
Cabinet Material	Die-Casting Magnesium	Die-Casting Magnesium	Die-Casting Magnesium
Weight Per Panel Net kg.	25	25	25
Cabinet Resolution	96 x 96	96 x 96	96 x 96
Pixel Density / Cabinet	9216	9216	9216
IP Rating	Back IP54 / Front IP67	Back IP54 / Front IP67	Back IP54 / Front IP67
Others Specifications			
Driving IC Type	-	-	PWM
Refrate Quality 2	High Refresh	High Refresh	4K Refresh Rate
No Waterless Ripple of Camera	>%50	>%75	>%90
Driving Method " Scan "	1/2	1/2	1/2
Resolution/SQM	100 x 100	100 x 100	100 x 100
Pixel Density / m2	10000	10000	10000
White Color Calibration (Adj.)	3.500K~8.500K	3.500K~8.500K	3.500K~8.500K
Horizontal Viewing Angle	140 (±30)	140 (±30)	140 (±30)
Vertical Viewing Angle	140 (±30)	140 (±30)	140 (±30)
Low Latency	Optional	Optional	!
HDR	Optional	Optional	!
Mapping	Optional	Optional	!
Rotation per 90 Degree	Optional	Optional	!
Free Rotation (with R5)	Optional	Optional	!
Clear View	Optional	Optional	!
Refresh Quality	High Quality	High Quality	Best Quality
High Refresh (PLL inside)	-	-	!
High Refresh Power Saving	!	!	!
High Refresh Dynamic Power Saving	-	-	!
Expected LED Lifetime %50	>100,000 Hours	>100,000 Hours	>100,000 Hours
Operating Temperature Range	-15 ~ +45 (±10)	-15 ~ +45 (±10)	-15 ~ +45 (±10)
Operating Humidity Range	-40° # +60° ,10%-90%RH	-40° # +60° ,10%-90%RH	-40° # +60° ,10%-90%RH
Power on Time (<w/sqm)	900	900	900
Power Consumption (<w/sqm)	800	800	800
Average Power Consumption (<w/sqm)	320	320	320
Voltage Range	47 ~ 63Hz / 110 ~ 240 VAC	47 ~ 63Hz / 110 ~ 240 VAC	47 ~ 63Hz / 110 ~ 240 VAC
Version	REV22	REV22	REV22
Packing include	Plate-Power-Cat5 Cable	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	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	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015

Ava Group GMBH reserves the right to change any product specification, discontinue of any product or services without prior notice

QUALITY IN DETAIL

CABINET SIZE



size : 960mm

size : 105mm



size : 960mm

25KG.

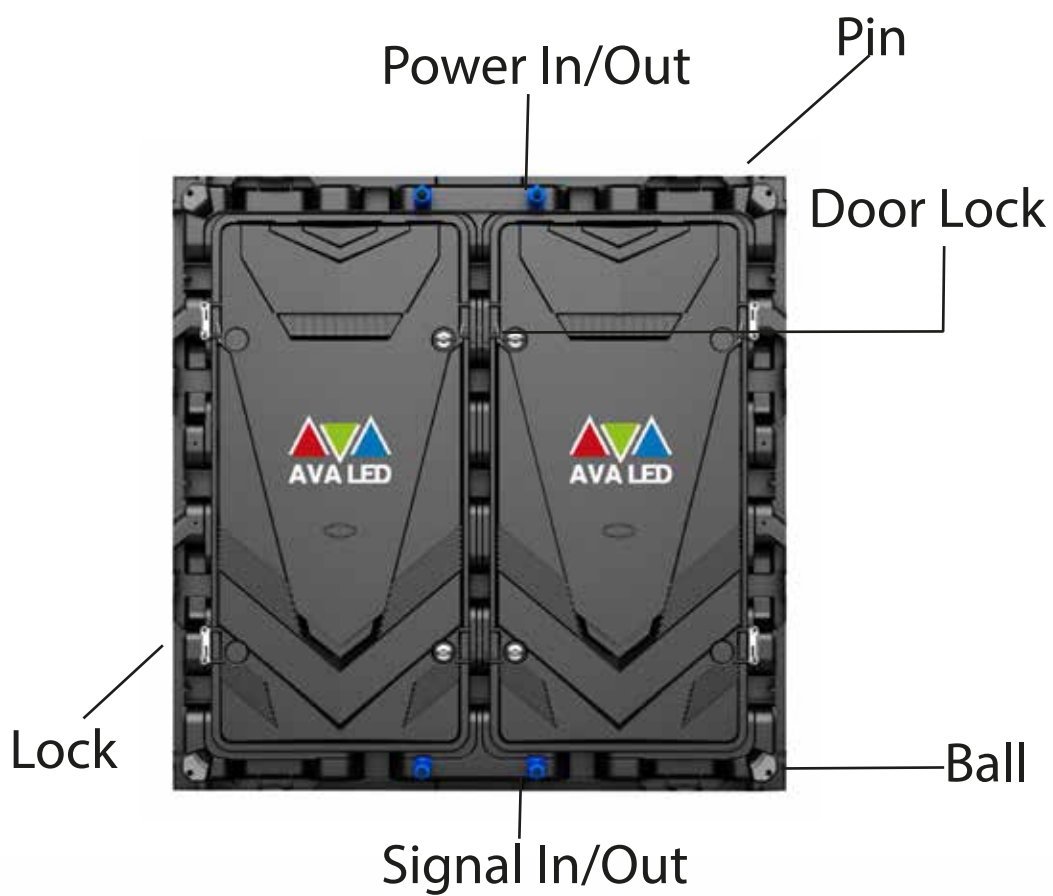


4 IN 1 - 139KG.

size : 1.150mm

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:

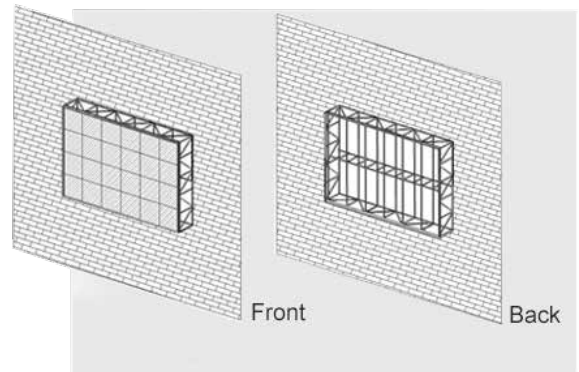
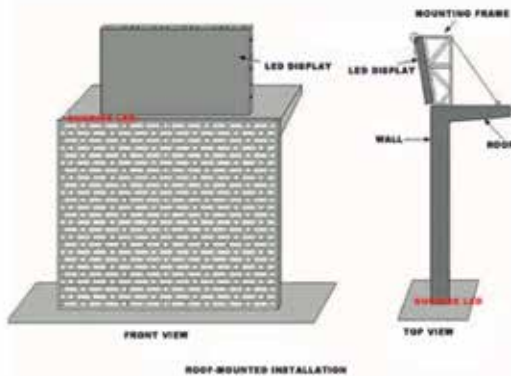
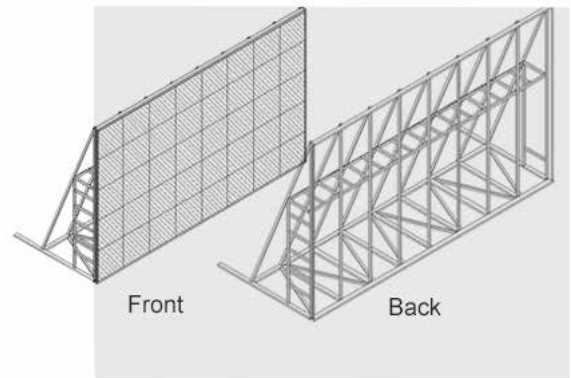
Weight tolerances: Ensure that the support structure and the floor on which or the wall against which the support structure has to be installed, is qualified to handle the complete weight of the LED display screen.(which can be provided by manufacturer.

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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