AVA LED

TN-OF-5
Data Sheet

TN FIX SERIES OTHER MODELS

OUTDOOR SERIES

TN-OF 5| TN-OF-5 PRO| TN-OF-5 PLUS

ISO 9001:2015　CE　ISO 14001:2015 CERTIFIED COMPANY

01

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-5

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

TN-OF-5 PRO

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

TN-OF-5 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 Service
***   Light Weight
***   Magnesium Die-Casting
***   4 in 1 Case weight with products: 129kg.
***   Faster Cooling
***   Advenced and safety Lock
***   Nova Star Controller
***   Black Shell

○ TECHNICAL SPECIFICATION

PRODUCT DETAILS

MODEL NAME	TN-OF 5	TN-OF 5 PRO
Features		
Series	Standart	Pro
Panel installation type	Fix Instalation	Fix Instalation
Operating Environment	Outdoor	Outdoor
Pixel Pitch	5mm	5mm
Brightness	>6000 Nits	>6300 Nits
Refresh Rate	>1920Hz	>3840Hz
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 1921	SMD 1921
LED Chip	Cooper	Cooper
LED	Black Shell	Black Shell
Module Size (mm)	320x160	320x160
Module Resolution	64 x 64	64 x 64
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	192 x 192	192 x 192
Pixel Density / Cabinet	36864	36864
IP Rating	Back IP54 / Front IP67	Back IP54 / Front IP67
Others Specifications		
Driving IC Type	Ordinary	PWM
Refrate Quality 2	Standart Quality	High Refresh
No Waterless Ripple of Camera	>%50	>%75
Driving Method " Scan "	1/8	1/8
Resolution/SQM	200 x 200	200 x 200
Pixel Density / m2	40000	40000
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

CABINET SIZE

size : 960mm
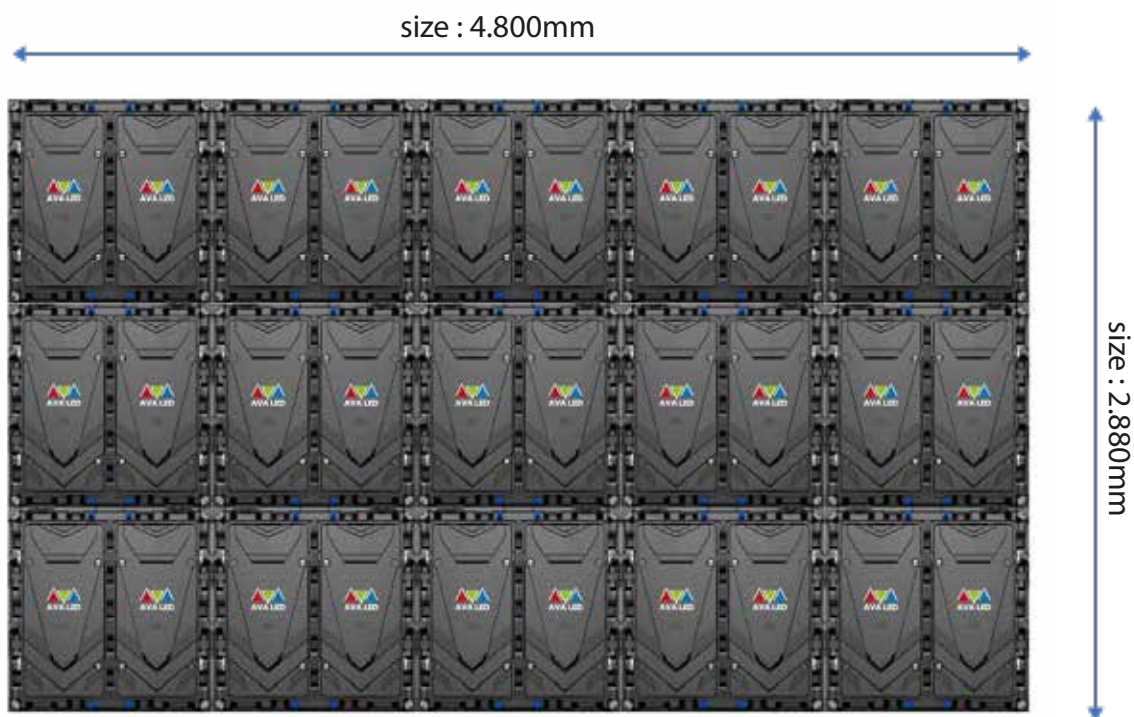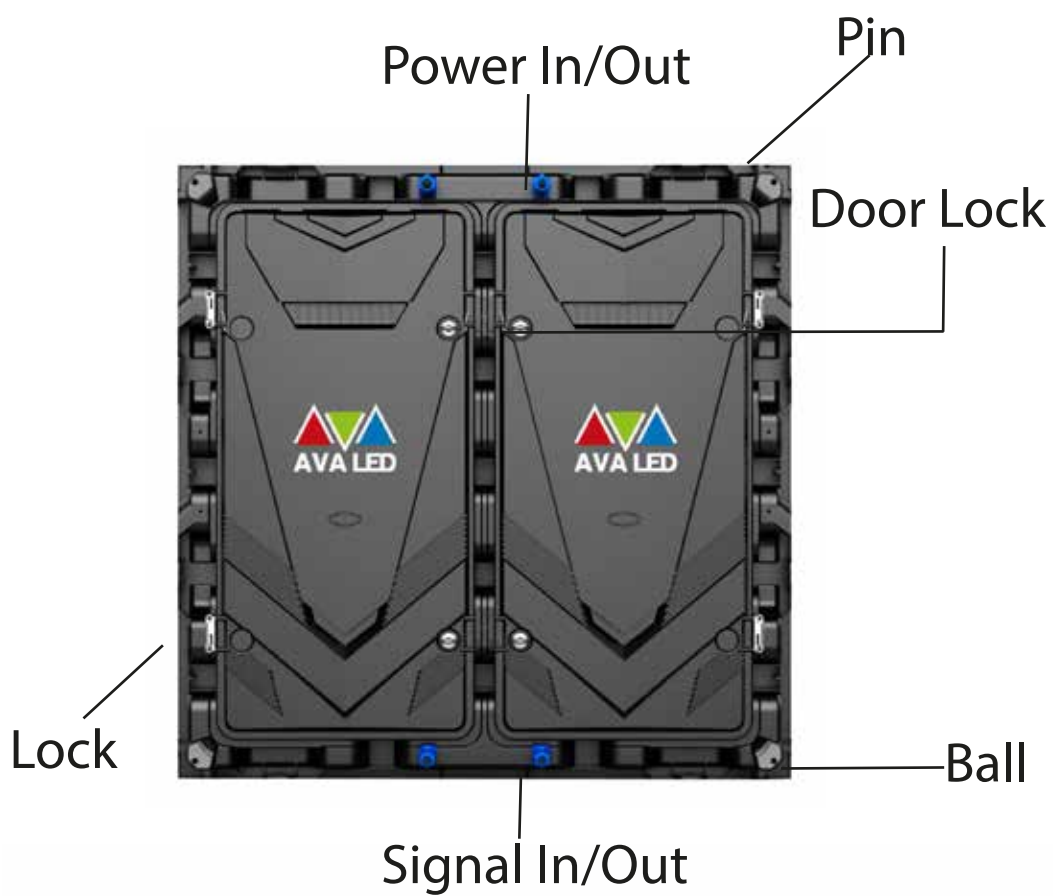
size : 105mm

size : 960mm

25KG.

1.030mm

700mm

4 IN 1 - 139KG.

size : 1.150mm

QALITY IN DETAIL

PRODUCT PHOTO

CABINET DETAIL

Power In/Out

Pin

Door Lock

Lock

Ball

Signal In/Out

size : 4.800mm

size : 2.880mm

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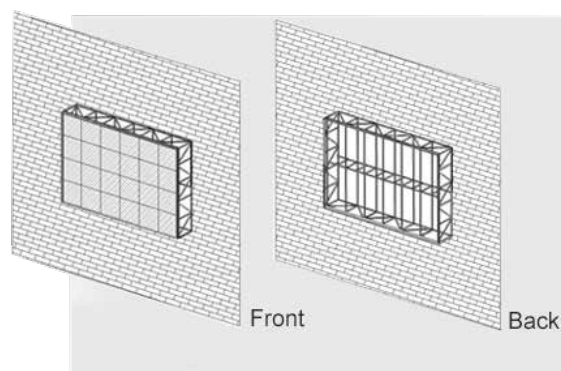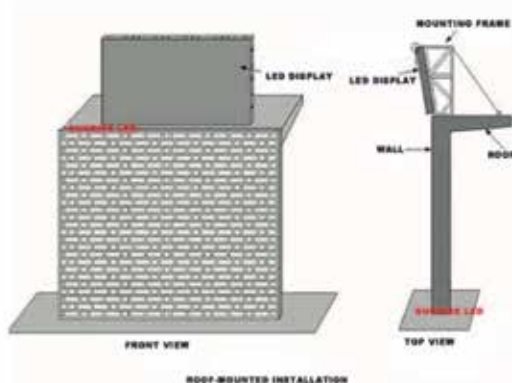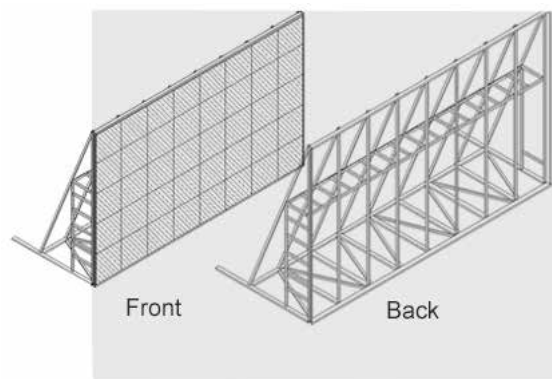
Weight tolerances: Ensure that the support structure and the floor on which or the wall against which the support structure has to be installed, is qualified to handle the complete weight of the LED display screen.(which can be provided by manufacturer.

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.

INSTALLLATION

HANGING

size : 2.880mm

size : 3.840mm

INSTALLLATION

Front   Back

MOUNTING FRAME
LED DISPLAY   LED DISPLAY
WALL   ROOF
FRONT VIEW   TOP VIEW
ROOF-MOUNTED INSTALLATION

Front   Back

ACCESSORIES

FLY BAR

960mm

CASE

POWER

SIGNAL

NEUTRIK

CNLINKO

SEETRONIC

END

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