AVA LED

TN-PRO-OF-10
Data Sheet

OUTDOOR SERIES

TN-PRO-OF-10

ISO 9001:2015 CE ISO 14001:2015 CERTIFIED COMPANY

01

TITLE OF CONTENTS

FEATURES

○ Advanced Contrast Brightness Black technology,

○ Advanced High Refresh Rate,

○ FRONT SERVICES and Fast installation of panel to Light Frame,

○ Just Signal person to install/uninstall, saving labor cost

○ High Quality Die-Casting Aluminum-Magnesium frame design, fan design.

○ No noise, lower power consumption, good heat dissipation.

○ Easy and Fast Installation

FEATURES

TN-PRO-OF-10

- · High Refresh Rate: 3840Hz
- · A Class Led Chip
- · High Quality PCB
- · High Quality MASK

FEATURES

P10 Outdoor Products

***   FRONT SERVICE - Back Services
***   Light Weight
***   Weight : 25kg
***   Magnesium Die-Casting
***   4 in 1 Case weight with products: 139kg.
***   Faster Cooling
***   Advenced Lock
***   Nova Star Controller
***   BLACK SHELL

TECHNICAL SPECIFICATION

MODEL NAME	TN-PRO-OF-10
Features	
Series	Pro
Panel installation type	Fix Instalation
Operating Environment	Outdoor
Pixel Pitch	10mm
Brightness	>7000 Nits
Refresh Rate	>3840Hz
Weight / m2	<28
Material Brands	
Lamp	Class A
Entegred	Chipone
Powersupply	Meanwell
Controller	Novastar
Connectors : Seetronic	Seetronic
Module Specifications	
Pixel Configuration	SMD 3535
LED Chip	Cooper
LED	Black Shell
Module Size (mm)	320mm x 320mm
Module Resolution	32 x 32
Processing	>14-16 Bit
PCB Quality	Best Quality
Module - Mask Quality	Normal Mask
Picture / Video Quality	High Quality
Grey Scale	>65536
Cabinet Specifications	
Module Per Cabinet	9 MODULE
Cabinet Size (mm)	960 x 960 x 115
Cabinet Material	Die-Casting Magnesium
Weight Per Panel Net kg.	25
Cabinet Resolution	96 x 96
Pixel Density / Cabinet	9216
IP Rating	Back IP54 / Front IP67
Others Specifications	
Driving IC Type	-
Refrate Quality 2	High Refresh
No Waterless Ripple of Camera	>%75
Driving Method " Scan "	1/2
Resolution/SQM	100 x 100
Pixel Density / m2	10000
White Color Calibration (Adj.)	3.500K~8.500K
Horizontal Viewing Angle	140 (±30)
Vertical Viewing Angle	140 (±30)
Low Latency	No
HDR	No
Mapping	No
Rotation per 90 Degree	Optional
Free Rotation (with R5)	Optional
Clear View	Optional
Refresh Quality	High Quality
High Refresh (PLL inside)	-
High Refresh Power Saving	Yes
High Refresh Dynamic Power Saving	-
Expected LED Lifetime %50	>100.000 Hours
Operating Temperature Range	-15 – +45 (±10)
Operating Humidity Range	-40！ " +60！ ,10%-90%RH
Power on Time (<w/sqm)	W 900
Power Consumption (<w/sqm)	W 800
Average Power Consumption (<w/sqm)	W 320
Voltage Range	47 ~ 63Hz / 110 ~ 240 VAC
Version	REV22
Packing include	Plate-Power-Cat5 Cable
Usage Area	Auditorium, Concert Area , Advertisement, Shopping Center, Scoreboard & Totem
Certificate	CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015

QALITY IN DETAIL

CABINET DETAIL

size : 960mm

size : 105mm

size : 960mm

25KG.

1.030mm

700mm

4 IN 1 - 139KG.

size : 1.150mm

QALITY IN DETAIL

CABINET DETAIL

CABINET DETAIL

Power In/Out

Pin

Door Lock

Front Service

Lock

Ball

size : 2.880mm

SAFETY
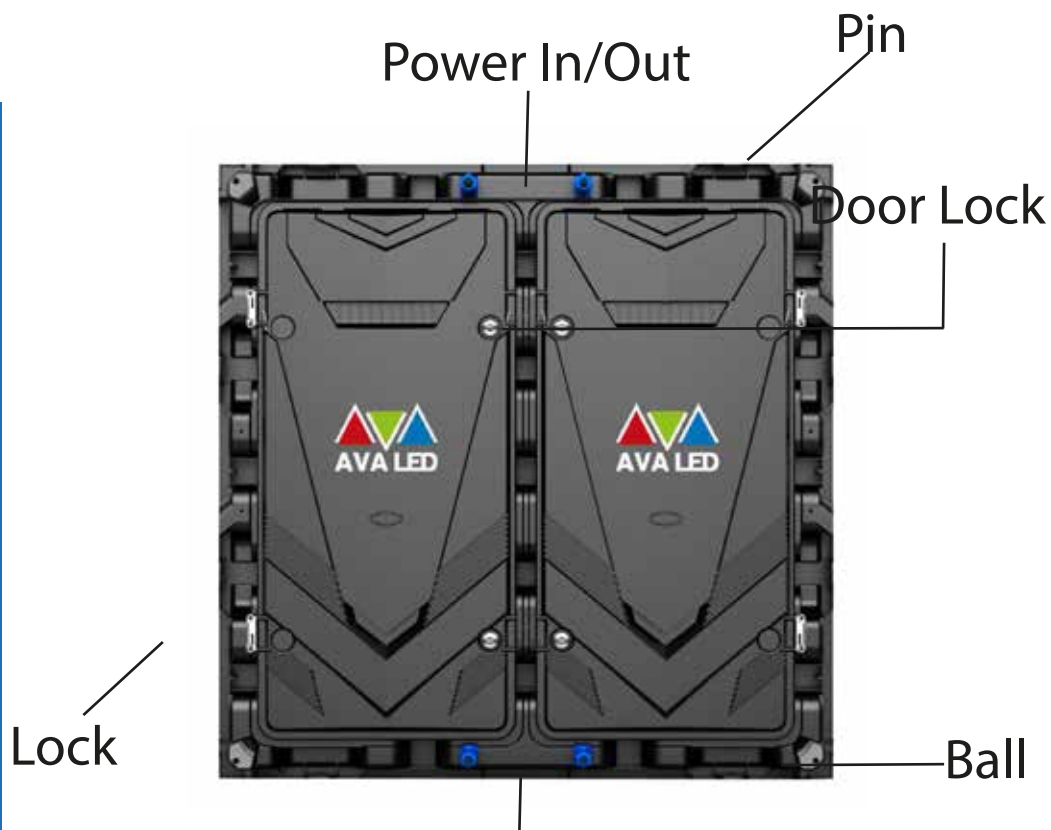
CASE

HANDLE

LOCK

BALL

POWER

INSTALLLATION

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.

Location: Outdoor/.Indoor, altitude, etc. Usually, for outdoor display screen, the customer should build top cover and side cover for IP protection
(Including waterproof and dustproof)

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.

HANGING

size : 2.880mm

size : 3.840mm

INSTALLLATION

WALL-MOUNTED INSTALLATION

ACCESSORIES
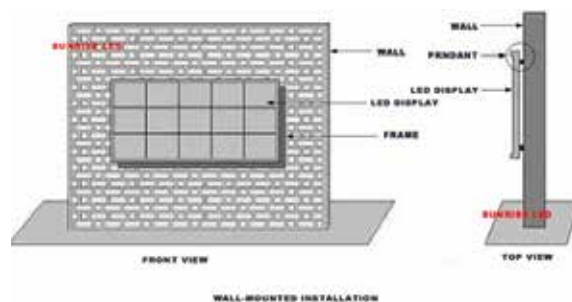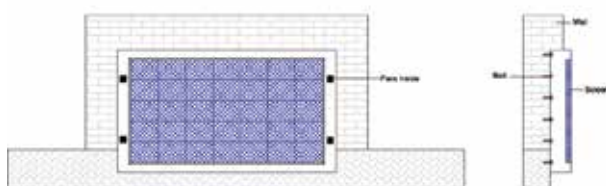
FLY E....

960mm

CASE

POWER

SIGNAL

NEUTRIK®

CNLINKO®

SEETRONIC

AVA LED

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