# AVA LED

# TK-PRO-IP-4
## Data Sheet
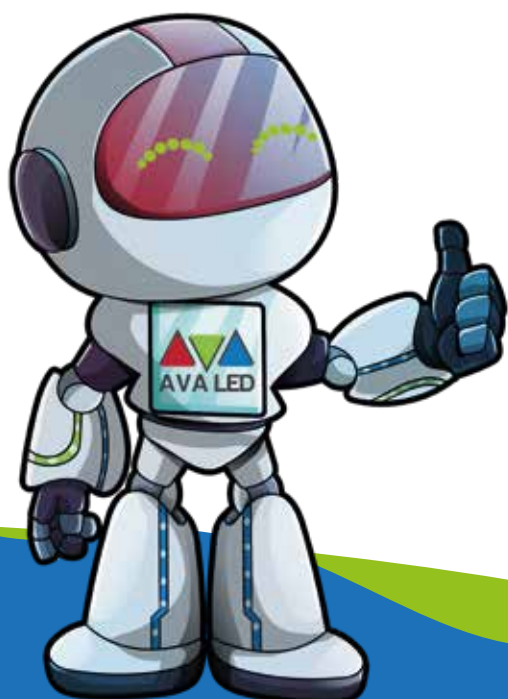
**INDOOR FRONT SERVICE POSTER SERIES**

TK-PRO-IP-4

ISO 9001:2015

CE

ISO CERTIFIED 14001:2015 COMPANY

**01**

## FEATURES

Magnesium Die Casting Cabinet

Cabinet Size: 640x1920x70mm

Videowall Systems, Easy and Fast

Installation " Magnetic Cabinet Systems "

Front Seriveces

USB Input " Plug and Play "

HDMI Input " Plug and Play "

CAT 5 input

Wifi Commution " optional "

Lan Control with internet

4G Control " optional "

Smart Systems " IOS - Android "

1GB memory

POSTER & Videowall same Screen

# FEATURES

TK-PRO-IP 4

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

# FEATURES

## Features

***    FRONT SERVICE

***    Light Weight

***    Magnesium Die-Casting

***    3 in 1 Case weight with products: 129kg.

***    Faster Cooling

***    Advenced and safety Lock

***    Nova Star Controller

***    SPACE BLACK

## ○ TECHNICAL SPECIFICATION

| MODEL NAME | TK-PRO-IP-4 |
|---|---|
| Features | : |
| Series | Pro |
| Panel installation type | Fix Instalation |
| Operating Environment | Indoor |
| Pixel Pitch | 4mm |
| Brightness | >1000 Nits |
| Refresh Rate | >3840Hz |
| Weight / m2 | <22 |
| Material Brands | |
| Lamp | Class A |
| Entegred | Chipone or Smilar |
| Powersupply | Meanwell or Smilar |
| Controller | Novastar |
| Connectors : Seetronic | Seetronic |
| Module Specifications | : |
| Pixel Configuration | SMD 2020 |
| LED Chip | Cooper |
| LED | Space Black |
| Module Size (mm) | 320mm x 160mm |
| Module Resolution | 80 x 40 |
| 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 | 24 MODULE |
| Cabinet Size (mm) | 640 x 1920 x 70 |
| Cabinet Material | Die-Casting Magnesium |
| Weight Per Panel Net kg. | 27 |
| Cabinet Resolution | 160 x 480 |
| Pixel Density / Cabinet | 76800 |
| IP Rating | IP40 |
| Others Specifications | : |
| Driving IC Type | PWM |
| Refrate Quality 2 | High Refresh |
| No Waterless Ripple of Camera | >%75 |
| Driving Method " Scan " | 1/20 |
| Resolution/SQM | 250 x 250 |
| Pixel Density / m2 | 62500 |
| White Color Calibration (Adj.) | 3.500K~8.500K |
| Horizontal Viewing Angle | 140 (±30) |
| Vertical Viewing Angle | 140 (±30) |
| Low Latency | No |
| HDR | No |
| Mapping | Yes |
| Rotation per 90 Degree | Yes |
| 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) | 800 |
| Power Consumption (<w/sqm) | 550 |
| Average Power Consumption (<w/sqm) | 165 |
| Voltage Range | 47 ~ 63Hz / 110 ~ 240 VAC |
| Version | REV22 |
| Packing include | Plate-Power-Cat5 Cable |
| Usage Area | Advertisement, Shopping Center, Restaurant & info Board |
| Certificate | CE/EMC/LVD-ATR-EUR1 ISO-9001:2015 ISO-14001:2015 |

QALITY IN DETAIL

**CABINET SIZE**

size : 640mm

size : 1.920mm



27KG.

size : 70mm

885mm

410mm

size : 2.030mm

3 IN 1
129KG.

QALITY IN DETAIL

PRODUCT PHOTO



FRONT SERVICES



QALITY IN DETAIL

PRODUCTS PHOTO

Eternet

USB Disc

Power in

HDMI in

## Ultra High Definition

It delivers a truly amazing picture with extraordinary pixels producing
an image that is HD quality in an LED Screen.ipsum

QALITY IN DETAIL

SAFETY


CASE


CONNECTION


HANDLE


PARST OF FOR WALL


BALL


HANGING

**INSTALLATION**

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.

size : 1.920mm

size : 3.840mm

## VISION

### ULTRA WIDE VIEWING ANGLE



Both 160° from horizontal & vertical for the viewing angle.
Seeing from five directions, it would be still the natural and clear image in an LED display.

### ULTRA FAST RESPONSE



Response speed
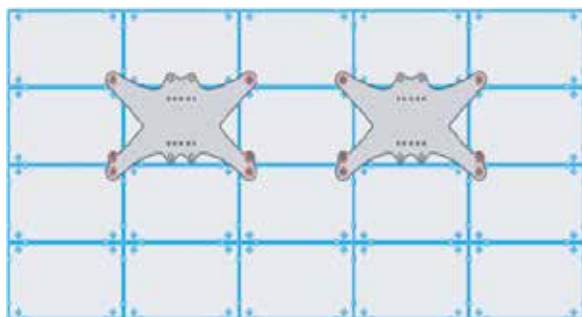
Perfect Rendering  Dynamic Picture

Smear Ghosting Phenomenon

### 18 BIT GREY SCALE



AVA LED

Others

VISION

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# AVA LED

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