

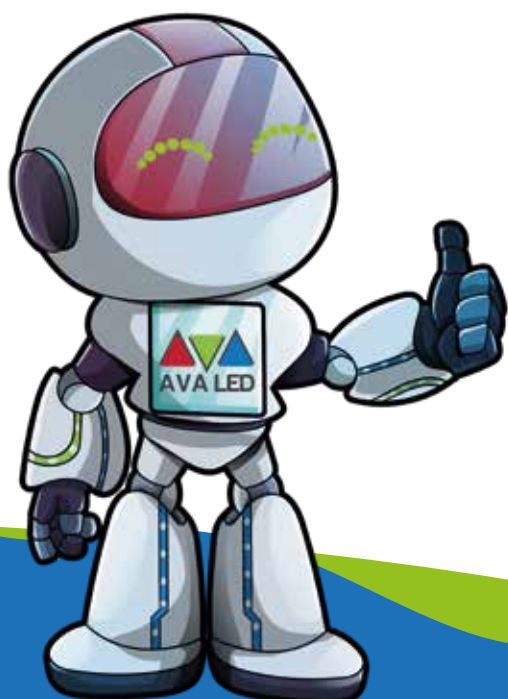


# AVA LED

## TK-PRO-IP-4

### Data Sheet

QUALITY IN DETAIL



INDOOR FRONT SERVICE  
POSTER SERIES

TK-PRO-IP-4 I  
TK-PRO-IP-4 PRO I TK-PRO-IP-4 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

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

### TK-PRO-IP 4

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

### TK-PRO-IP 4 PRO

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

### TK-PRO-IP 4 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

- \*\*\* FRONT SERVICE
- \*\*\* Light Weight
- \*\*\* Magnesium Die-Casting
- \*\*\* 3 in 1 Case weight with products: 129kg.
- \*\*\* Faster Cooling
- \*\*\* Advanced and safety Lock
- \*\*\* Nova Star Controller
- \*\*\* SPACE BLACK

## ○ TECHNICAL SPECIFICATION

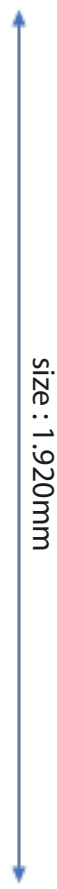
MODEL NAME	TK-PRO-IP 4	TK-PRO-IP 4 PRO	TK-PRO-IP 4 PLUS
Version	TK-PRO-IP 4	TK-PRO-IP 4 PRO	TK-PRO-IP 4 PLUS
Pixel Pitch	4mm	4mm	4mm
Pixel Configuration	SMD2020	SMD2020	SMD2020
LED	Space Black	Space Black	Space Black
Processing	16 Bit	16 Bit	-
Processing	-	-	18 Bit
Pixel Density / m2	62500	62500	62500
Resolution/SQM	250 x 250	250 x 250	250 x 250
Cabinet Resolution 640x1920mm	160 x 480	160 x 480	160 x 480
Pixel Density / Cabinet 640 x 1920	76800	76800	76800
Module Size (mm)	320x160	320x160	320x160
Cabinet Size (mm)	640 x 1920 x 70	640 x 1920 x 70	640 x 1920 x 70
Module Per Cabinet	24 MODULE	24 MODULE	24 MODULE
Module Resolution	80 x 40	80 x 40	80 x 40
Weight Per Panel Net kg. 640x1920mm	27	27	27
Rotation per 90 Degree	✓	✓	✓
Free Rotation (with R5)	○	○	✓
Mapping	✓	✓	✓
Clear View	○	○	✓
Low Latency	○	○	✓
HDR	○	○	✓
Power Consumption (<w/sqm)	550	550	550
Average Power Consumption (<w/sqm)	165	165	165
Driving Method	1/20	1/20	1/20
Brightness	>1000 Nits	>1000 Nits	>1000 Nits
Refresh Rate	>1920Hz	-	-
Refresh Rate High Refresh	-	>3840Hz	>3840Hz
Refresh Quality	Standart Quality	High Quality	Best Quality
High Refresh (PLL inside)	-	-	✓
High Refresh Power Saving	-	✓	✓
High Refresh Dynamic Power Saving	-	-	✓
Driving IC Type	Ordinary	PWM	PWM
Refrate Quality 2	Standart Quality	High Refresh	4K Refresh
No Waterless Ripple of Camera	>%50	>%75	>%90
Cabinet Material	Die-Casting Magnesium	Die-Casting Magnesium	Die-Casting Magnesium
Horizontal Viewing Angle	140 (±30)	140 (±30)	140 (±30)
Vertical Viewing Angle	140 (±30)	140 (±30)	140 (±30)
Expected LED Lifetime %50	100,000 Hours	100,000 Hours	100,000 Hours
IP Rating	IP20	IP20	IP20
PCB Quality	Best Quality	Best Quality	Best Quality
Module - Mask Quality	Best Quality	Best Quality	Best Quality
LED Chip	Class C	Class B	Class A
Picture / Video Quality	Standart	High Quality	Best Quality
Grey Scale	65536	65536	262144
Control Systems	Nova Star	Nova Star	Nova Star
Operating Temperature Range	-20 – +60 (±10)	-20 – +60 (±10)	-20 – +60 (±10)
Operating Humidity Range	-40°C~+60°C,10%-90%RH	-40°C~+60°C,10%-90%RH	-40°C~+60°C,10%-90%RH
Voltage Range	200 ~240VAC	200 ~240VAC	200 ~240VAC
Packing include	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

The data written in the catalog may differ by + - 10%

# CABINET SIZE



size : 640mm

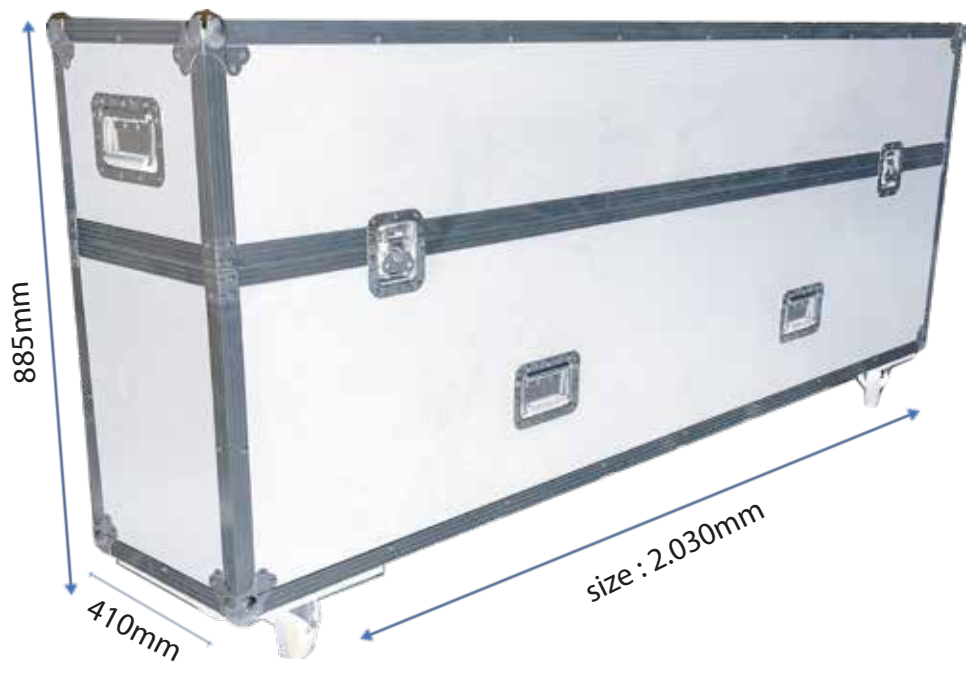


size : 1,920mm

27KG.



size : 70mm



885mm

410mm

size : 2.030mm

3 IN 1  
129KG.

QUALITY IN DETAIL

PRODUCT PHOTO



FRONT SERVICES



QUALITY IN DETAIL





## Ultra High Definition

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



QUALITY IN DETAIL



CASE



CONNECTION



HANDLE



PART OF FOR WALL



BALL



HANGING

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.

**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.



### 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



Perfect Rendering Dynamic Picture

Response speed



Smear Ghosting Phenomenon

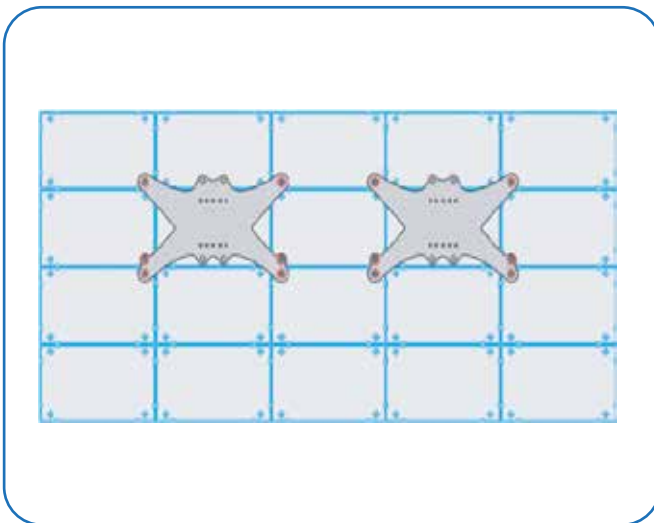
### 18 BIT GREY SCALE



AVA LED



Others



VISION



# AVA LED

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