

According to the working environment, LED displays can be divided into indoor led screens, outdoor led screens and semi-outdoor led screens. There are some data in theory which can reflect the relationship between the pixel pitch and the best viewing distance.

The relationship between pixel pitch distance and the best viewing distance

	Pixel Pitch (mm)	Pixel Pitch (mm)	Pixel Pitch (mm)	Pixel Pitch (mm)
Viewing Distance (m)	11	14	17	20
Viewing Distance (ft)	36	46	56	66

In the actual application, because of the limitation of led display installation environment and identify ability, led display's smallest viewing distance is mean the shortest distance that can identify the text and picture showing. The shortest viewing distance and led specification are on below:

The smallest viewing distance and led display specification

Viewing Distance (m)

Relationship between pixel pitch distance and viewing distance

Viewing Distance (ft)

10 ~ 16

16 ~ 26

26 ~

Pixel Pitch

P3
P4
P4.75

P4.75

P5
P6
P7.62
P8
P10
P12
P14
P16
P20
P25
P31.25

P7.62

P10
P12

P16
P20
P25