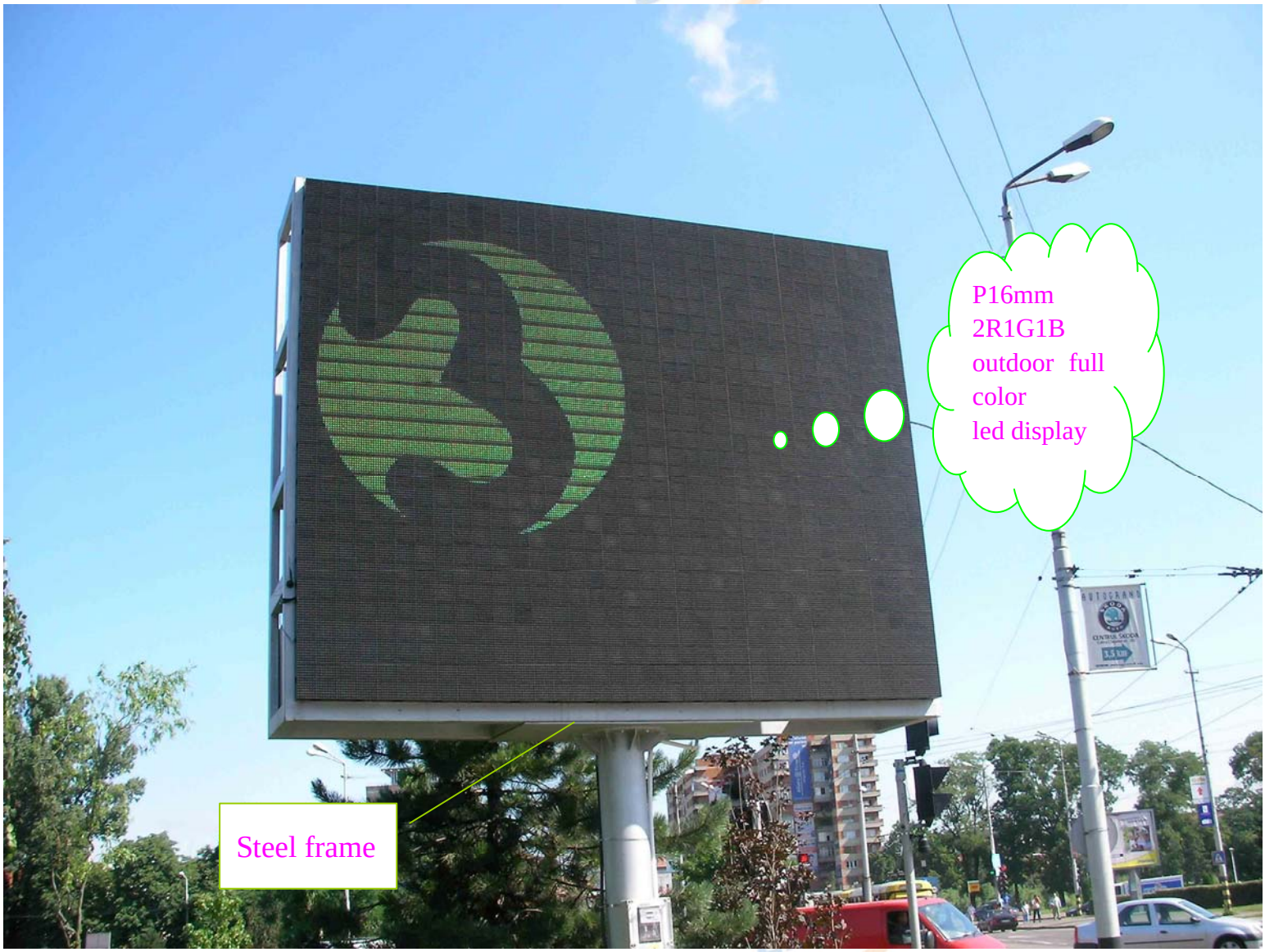
Viewing Whole Project from Front



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Viewing Whole Project from Back

Installing

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Footing Beam structure

front side of installation frame

back side of installation frame

Case :

P16mm 2R1G1B outdoor full color
project photos in Romania

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Bottom of Pillar on the ground

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Project case in China

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Details of the ground

Details see from the ground

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Details of the tray rack

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Composition of LED display installation

(1) Basic introduction to civil engineering

LED display screen installation civil engineering is based on capital works, mainly used in outdoor LED display screen body works as a bearer of the base, and its main function is from two sides: (1) the screen bearing weight evenly on the foundation force to prevent the screen sedimentation. (2) balance Screen from suffering wind blow, and prevent overturning.

Thee Based civil engineering is on the part of steel column ,pile cap, reinforced concrete foundation, embedded parts, back filling .

(2)Basic introduction to steel frame

LED display screen installed steel frame construction is the basic engineering , it stitching parts of the led screen body as a whole , and make screen body and architecture body joined together, bearing the weight of the screen body and other forces as well as other installation equipment and decoration.

The main frame constitute of Steel structure are steel columns which is mainly used for pillar structure , base (mainly used for installed), main frame of screen body and joining part.

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Steel columns supporting pillar is mainly used for installation, based on the bottom and civil cases through the embedded link, and play the role of supporting the upper screen body.

(3)Basic introduction of outdoor decoration

LED display outdoor decoration is the use of structural fasteners or adhesive decoration materials to fix the outer steel frame, so as to achieve a nice appearance , waterproof (for outdoor) and other protective purposes.

(4)Introduction of some decorative materials

Stainless steel: General decorative stainless steel are matt brushed stainless steel, mirror stainless steel, which can be selected according to customer requirements . Commonly used thickness is 0.8 mm, 1.0 mm, 1.2 mm, 1.5 mm, etc., which is generally determined by the packet size.

Aluminum composite panel: it is very commonly used as a decorative material. The structure is covered with a lay of thin aluminum on plastic substrate. The advantage of it are good weather resistance, light weight, easy to spot production.

Other materials: silicon sealantlglass cenment , weather sealant, structural sealant, aluminum pipe, wooden keel, plywood etc., these materials are mainly used as decoration board substrate and sealed and waterproof.

(4)Lighting protection

Civil infrastructure of outdoor generally need additional lightning proof grounding.

The lighting protection methods are as follows: (1) To lead the majority of lightning current to the underground by connecting the current and earth (exterior protection).