

TO: Teams Manufacturers
CATEGORY: Hypercar LMP2 LMGTE Am

DECISION N°: WEC_2023_D0001_Hypercar_Pitlane video_Specifications_Amended

DATE: 17/05/2023 **FROM:** The WEC Committee

SUBJECT: Pit lane video cameras specifications

APPLICABLE REGULATION

Article 6.4.6 2023 FIA World Endurance Championship Sporting Regulations

DECISION

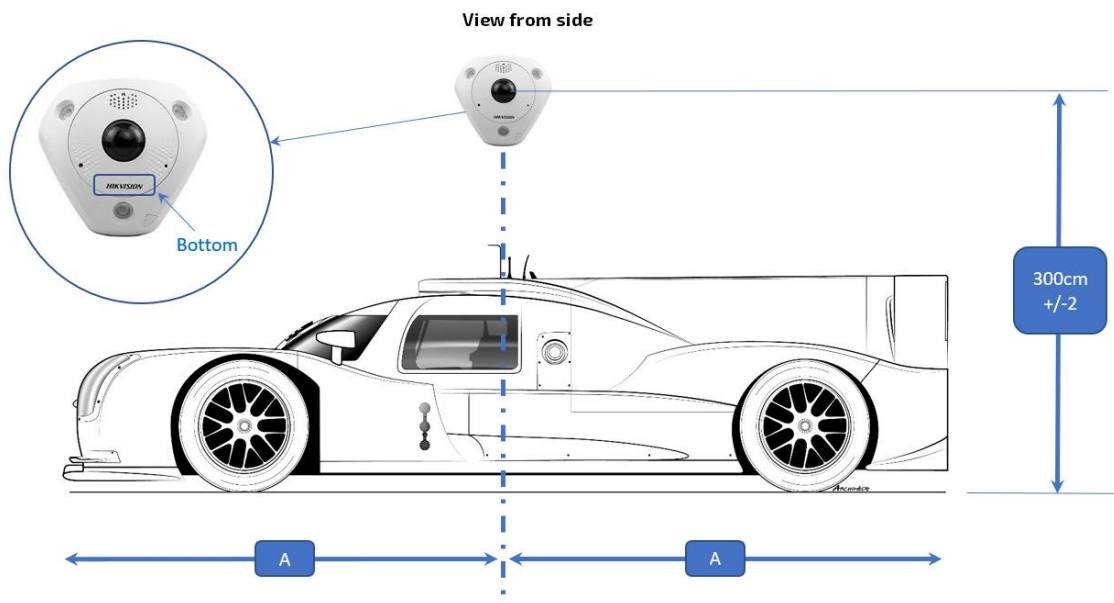
In accordance with the above-mentioned regulations, all teams will be asked to provide, install, and manage some video materials as well as specific tooling in order to fulfill the following specification.

IP camera:

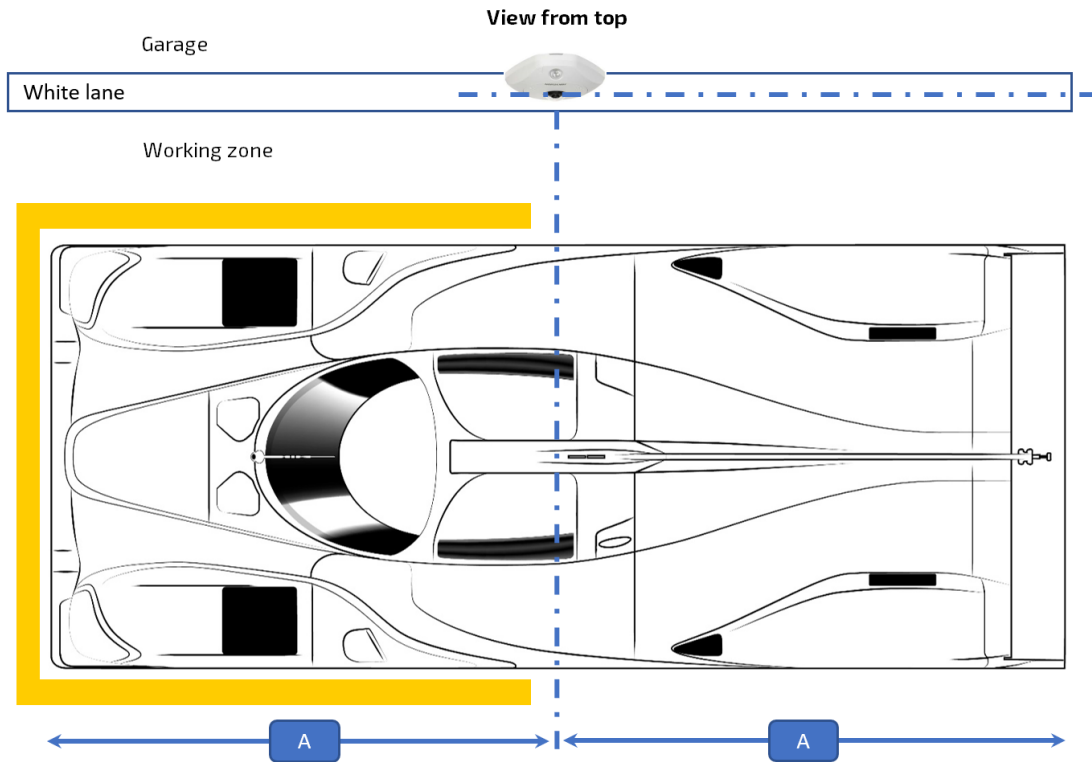
- Brand: **HIK VISION**
- Model: **DS-2CD6365G0E-IVS (1.27mm) (B) (O-STD) (SAP code: 311319073)**

According to the pit allocation and the associated working zone in the pitlane, a specific installation of the camera is requested:

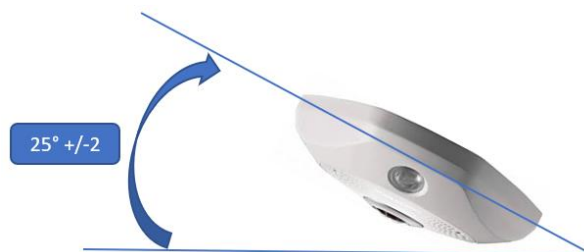
View from side, the lens of the camera must be placed, face to the car, in the axle of the middle of the car, respecting the bottom indicator:



View from top, the lens of the camera must be placed on top of the white line:



The camera must be oriented toward the car respecting an angle of $25^\circ (+/-2^\circ)$ from a horizontal plan:



Network configuration:

In order to make the cameras feed going to the scrutineering, each team must provide for each camera:

-1 switch:

MikroTik CSS610-8P-2S+in

-1 SFP module MikroTik compatible:

CONBIC@ S-31DLC20D-C - 1000Base-LX-DDM SFP, 10km - 100% MikroTik Compatible

-1 OS2 SC/APC to LC/UPC optic fiber garber (minimum 5 meters length):

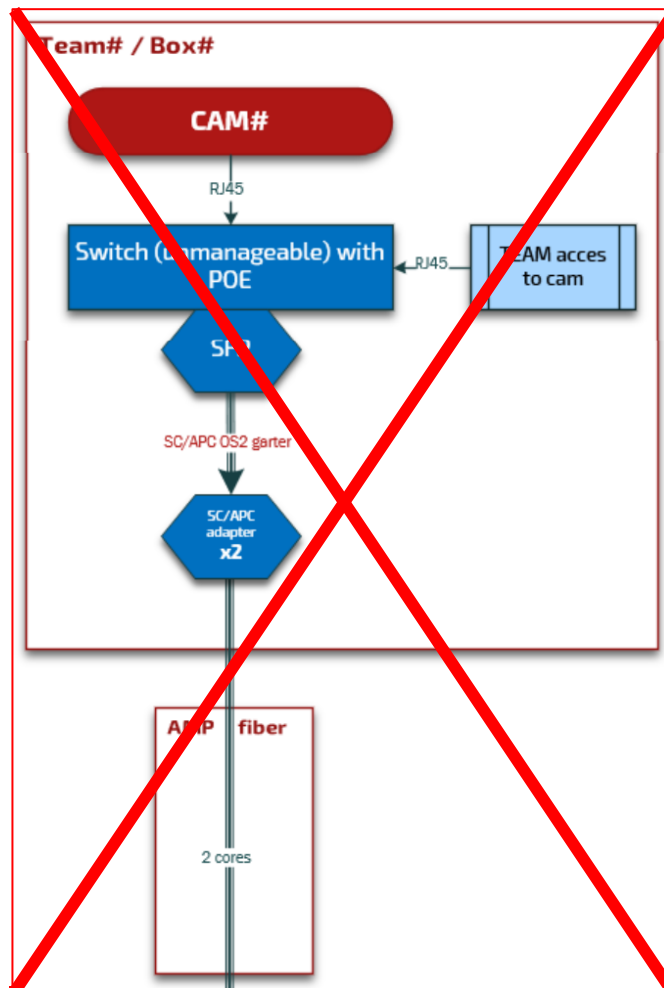
Elfcam@ - Câble à Fibre Optique (Jarretièrre Optique) OS2 Monomode Duplex SC/APC à LC/UPC

-2 SC/APC adapter (female/female):

Cerrxian SC Adaptateur Fibre Optique monomode SC Femelle vers SC Femelle APC

Teams are invited to own some spare parts.

The following configuration for connection is requested:



Materials configuration:

~~Switch MikroTik:~~

~~the switch must be setup as UNMANAGEABLE.~~

- Camera:

- o each camera must be properly and individually setup with a specific login and password:
 - An “administrator” account must be setup
 - A password for this account must be created and communicated to the Technical Delegates
 - The Technical Delegates will then own the “administrator” account (by changing the password)
 - The Technical Delegates will then create a “viewer” account for each camera (credentials will be communicated to each camera owner)
- o a specific IP address for each camera, switch and computer will be communicated (specifically to each Team) prior the first event by the Technical Delegates
- o each camera must be firstly setup and **named** as follow: **“Car race number”_ “Team name”**

Specificity of the 24H of Le Mans event:

Due to the network infrastructure available in the pit building, we will ask you for a different and simpler cabling regarding the Pit lane video cameras setup compared to the other rounds of the WEC.

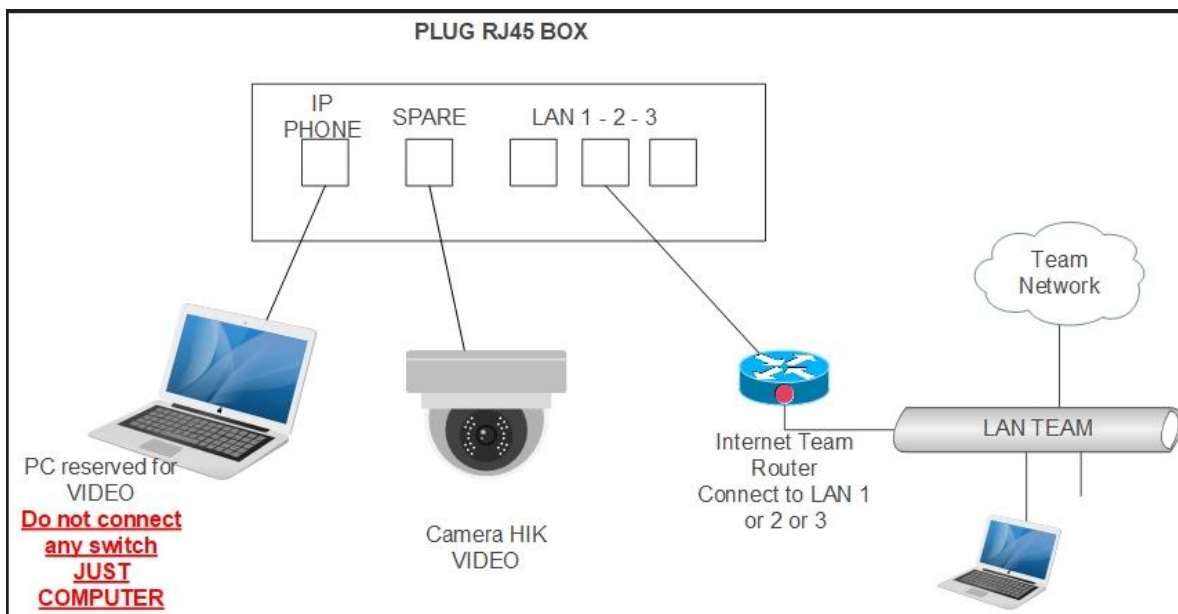
You will have to connect your cameras in each box on the ethernet socket labeled **"SPARE"**.

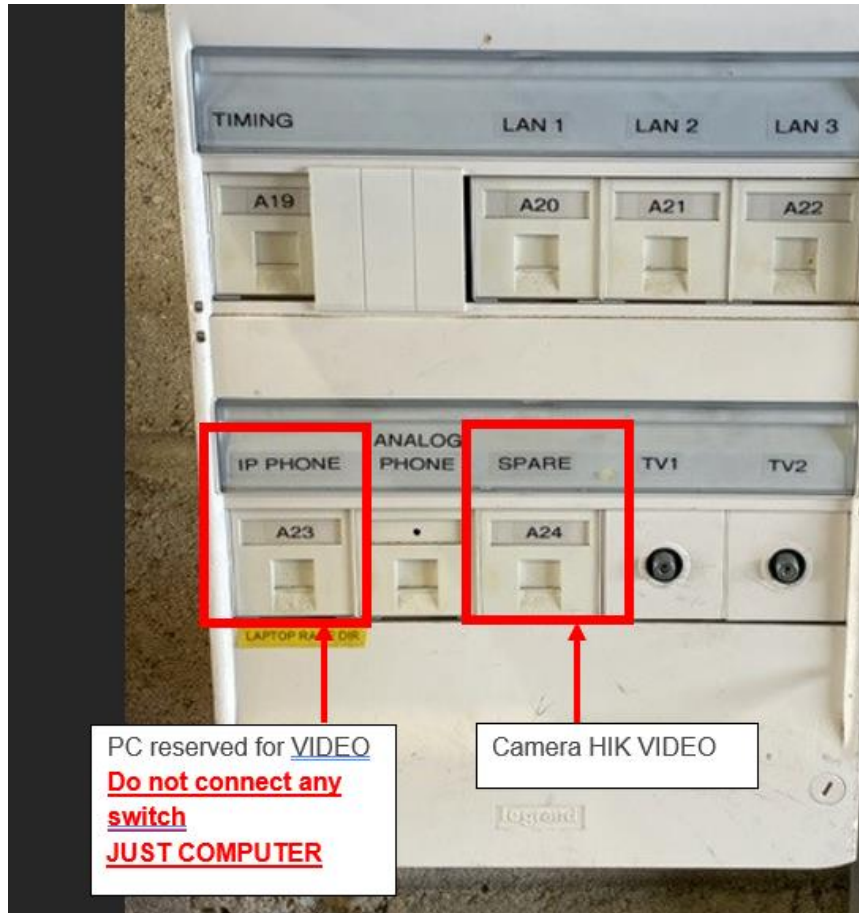
For computers allowing you to watch your own cameras, you must connect it to the network socket labeled **"IP PHONE"**

It is strictly prohibited to connect a network switch to these two newtork sockets.

If you have several garages, the “IP Phone” socket will also allow you to access all of your cameras without having to deploy a surveillance computer for each camera.

Please read below the wiring diagram to be implemented, as well as photos of the network boxes and the distribution of the sockets that you will have to use:





PERIOD OF VALIDITY/APPLICATION OF THE DECISION

This decision comes into effect:

- with immediate application
- from:

And is applicable:

- until further notice
- for the mentioned event(s) only: 24 Hours of Le Mans