



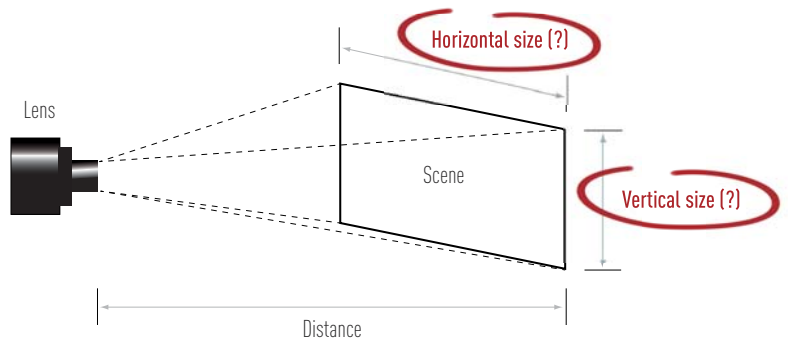
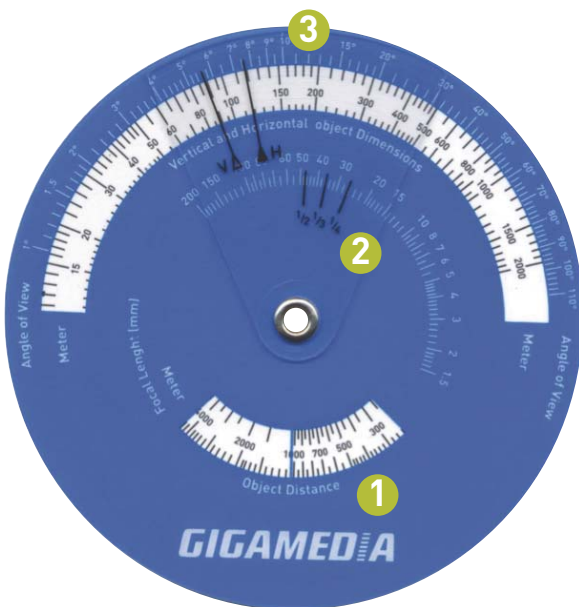
## HOW TO USE GIGAMEDIA CALCULATION DISK ? GGM CCWHEELCHT

The calculation disk GIGAMEDIA can select the ideal lens according to the distance between the CCTV camera and the object. The disk inform the user of the maximum distances to respect camera/object depending on the size of the target width / height desired.

### STUDY CASE N°1

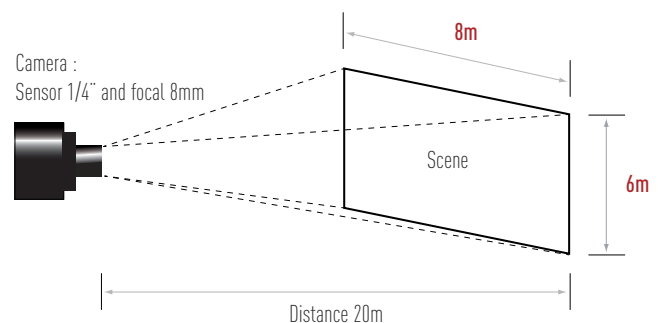
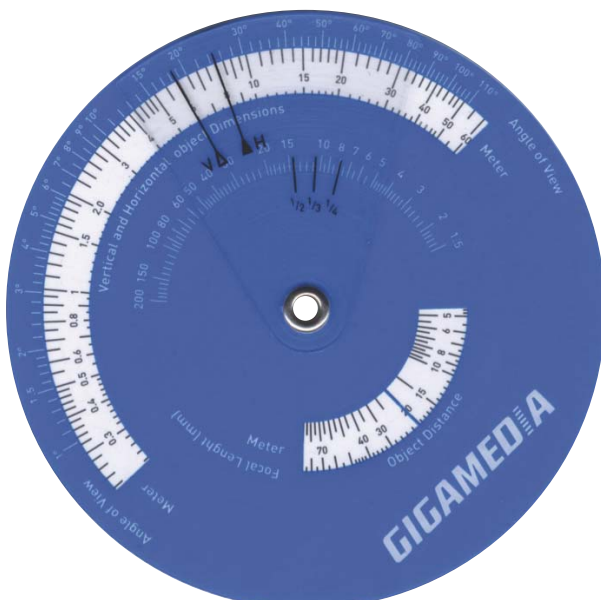
### CALCULATE THE REAL SIZE OF THE PICTURE WITH THE STANDARD EMBEDDED LENS IN THE CAMERA

#### LENS → OBJECT TO VISUALIZE



- 1 Select distance between camera and object
- 2 Select size of sensor (1/3, 1/4 or 1/2) and make the correspondance with the focal of the camera
- 3 Read the real size of the picture (V) for vertical size and (H) for horizontal size and vertical angle of view

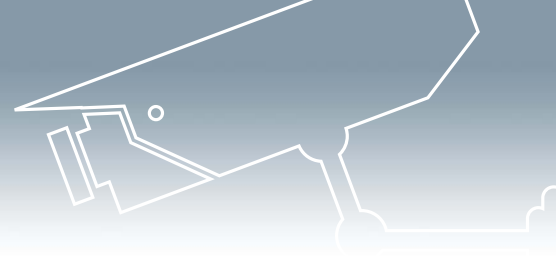
#### EXAMPLE



With distance of 20m between object and camera.

Using 1/4" CCD sensor with focal of 8mm.

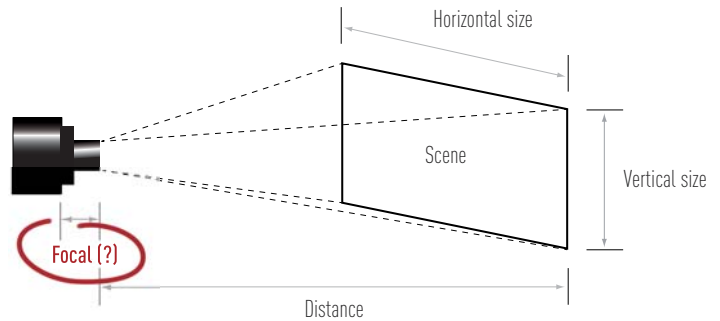
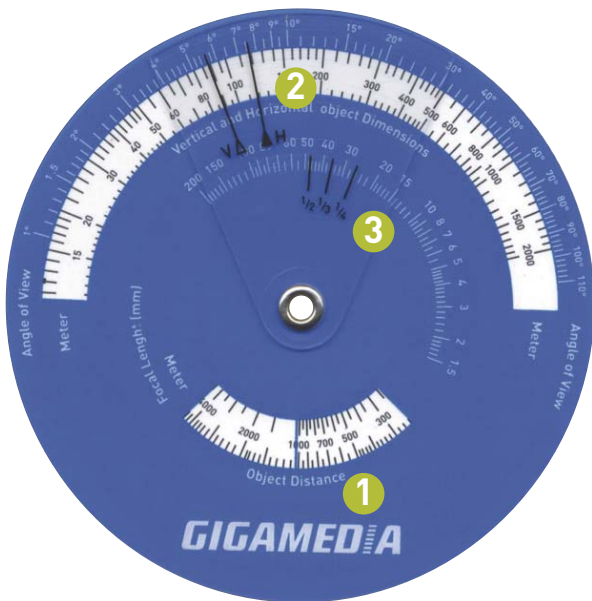
We get a real image of 8m horizontal 8m and 6m vertical



STUDY CASE N°2

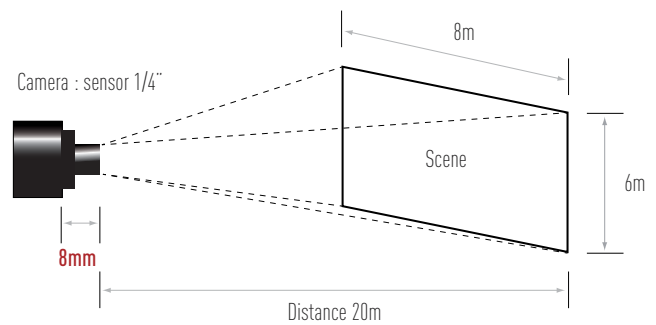
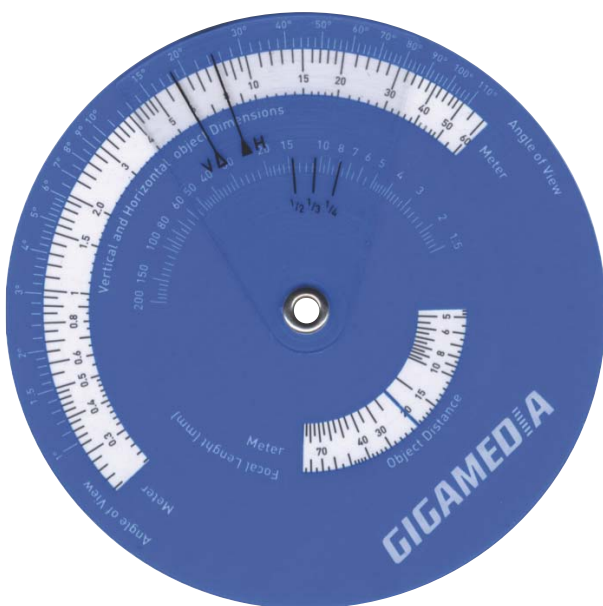
HOW TO CHOOSE LENS WITH CORRECT FOCAL DISTANCE ACCORDING TO THE SIZE OF THE OBJECT FOLLOWING DISTANCE BETWEEN OBJECT AND CAMERA

LENS ← OBJECT TO VISUALIZE



- 1 Select real distance between lens and camera
- 2 With cursor select real horizontal and vertical size of the picture
- 3 Read the focal according to the sensor size (1/2", 1/3", 1/4")
- 4 Buy the corresponding GIGAMEDIA lens\*

EXAMPLE



With a distance of 20 meters between the scene and the camera. Camera use 1/4" sensor. I would like to have picture close to 6m in vertical and 8m in horizontal size.

Conclusion : focal of the lens will be 8mm

\*GIGAMEDIA lens :

GGM CC2M3590M, GGM CC2V359D, GGM CC2V380DIR, GGM CC2V550DIR, GGM CC2M2812M, GGM CC2V2812DIR, GGM CC1V3518D2M, GGM CC1V3312D2M (non-exhaustive list susceptible to change without notice)