

# CamUV 1.6M

## Digital USB 3 camera for visualising UV radiation

Ideal camera to visualise UV radiation down to light with a wavelength of >245nm. The camera contains a CMOS sensor coated with UV sensitive phosphor that converts the UV light into visible light.

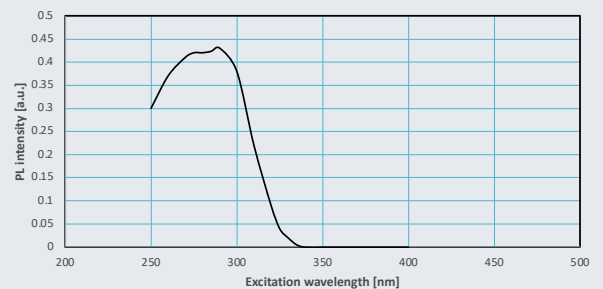
### application areas

- UV laser beam profiling
- Machine vision & general UV detection
- Product quality monitoring



Specification	CamUV 1.6M
Image Sensor Model	Sony IMX296 CMOS
Maximum Resolution	1440 x 1080
Pixel Size	3.45µm x 3.45µm
Digital Interface	USB 3.1 Gen1 interface for camera control, video data transmission, and power
Maximum Frame Rate	60Hz
Partial Image Modes	Region of interest
Gain Range	0 db to 48 dB
Power Requirements	5V via USB 3.1 interface
Power Consumption	2.2 W (max) at 5V
Dimensions (WxHxL)	27 x 27 x 14.5mm (excluding optics & connectors)
Mass	20 grams
Image Buffer	32 MB
Lens Mount	C-Mount
Compliance	CE, FCC, KCC, RoHS. The ECCN for this product is: EAR099
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 60°C
Warranty	1 Year

### ○ Absorption sensitivity of camera sensor coating



### ○ Typical UV laser beam intensity profile

