

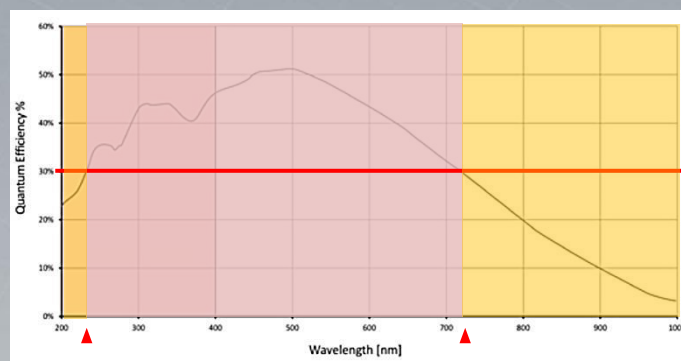
# オリジナル紫外線(UV)カメラ

UV Original UV camera



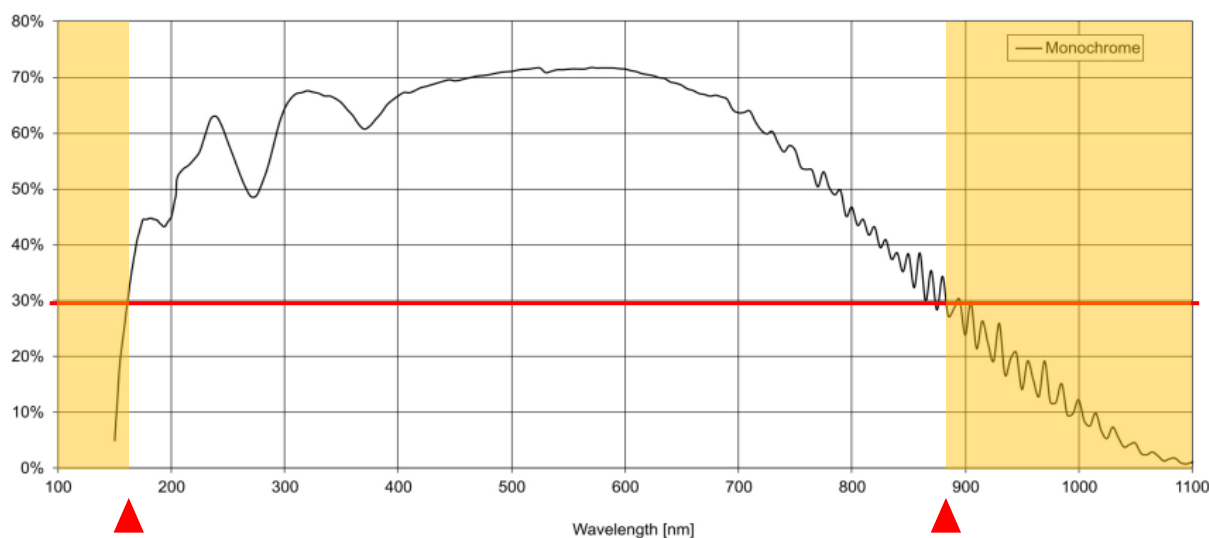
## シリーズ特長

- ・Photonfocus社オリジナルUVセンサ
  - ・紫外線感度  
+ DUV(175nm $\sim$ ) + NIR( $\sim$ 865nm)感度 \*
  - ・解像度140万画素
  - ・140fps @10bit
  - ・10GigEインターフェース (PoE対応)
  - ・グローバルシャッター CMOS
  - ・1ピクセル7.4 $\mu$ mの大型センサ
  - ・対応OS: Windows / Linux
- \* 175 $\sim$ 865nmの波長域において QE >30%



↑ 他社UVセンサ 分光感度特性

## Quantum Efficiency Image Sensor



# UV

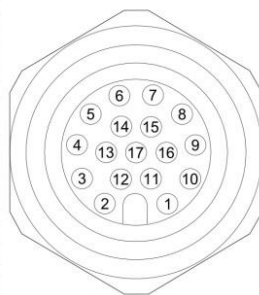
Original UV camera

# UV Original UV camera

model	センサー	解像度	画素サイズ [ $\mu\text{m}$ ]	AD変換 [bits]	ゲイミック レンジ [dB]	飽和容量 [ke-]	センサーサイズ/ 対角 [mm]	センサー 光学規格	フレームレート [fps]
MV4-D1280U-H01-GT	UV- VIS- NIR	Photonfocus, UV	1280 x 1024 1.4 Mpix	7.4	8, 10, 12	53dB	13	9.47 x 7.58 12.1	1" 140

## I/O (17pin)

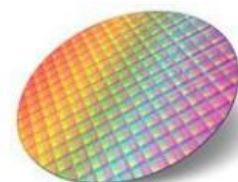
Pin	I/O Type	Name	Description
1	PWR	CAMERA_GND	Camera GND, 0V
2	PWR	CAMERA_PWR	Camera Power
3	I	ISO_INC0_P / ISO_IN0	Isolated RS422/HTL positive differential or Isolated TTL/HTL single ended input
4	I	ISO_INC0_N / ISO_GND	Isolated RS422/HTL negativ differential input or ground
5	I	ISO_INC1_P / ISO_IN1	Isolated RS422/HTL positive differential or Isolated TTL/HTL single ended input
6	I	ISO_INC1_N / ISO_GND	Isolated RS422/HTL negativ differential input or ground
7	I	ISO_INC2_P / ISO_IN2	Isolated RS422/HTL positive differential or Isolated TTL/HTL single ended input
8	I	ISO_INC2_N / ISO_GND	Isolated RS422/HTL negativ differential input or ground
9	I	ISO_IN3	Isolated TTL input
10	O	ISO_OUT2	Isolated TTL output
11	PWR	CAMERA_GND	Camera GND, 0V
12	PWR	CAMERA_PWR	Camera Power
13	O	ISO_OUT0	Isolated open drain output
14	O	ISO_OUT1	Isolated open drain output
15	IO	RS485_DATA_P	RS485 interface data positive polarity
16	IO	RS485_DATA_N	RS485 interface data negative polarity
17	PWR	ISO_GND	Isolated I/O GND



**RAILWAY:**  
Pantograph Spark Detection



**UV LASER:**  
Beam Profilometry



**WAFER**  
Scratch Detection

## 外形寸法図

