

BEAMAGE-4M-IR

빔 프로파일링 카메라



주요 특징

USB 3.0 FOR THE FASTEST TRANSFER RATES

Up to 10X faster than regular USB 2.0 connections (also USB 2.0 compatible)

HIGH RESOLUTION

For accurate profile measurements of very small beams:

- 2.2 MPixels for the BEAMAGE-3.0
- 4.2 MPixels for the BEAMAGE-4M

LARGE APERTURES

- 11.3 x 6.0 mm for the BEAMAGE-3.0
- 11.3 x 11.3 mm for the BEAMAGE-4M
- 20.5 x 20.5 mm for the BEAMAGE-4M-FOCUS

AVAILABLE WITH IR COATING

The BEAMAGE-IR cameras have a special phosphor coating for IR wavelengths (1495-1595 nm)

ISO COMPLIANT

D4 σ definition of diameter, centroid, ellipticity and orientation are ISO 11146:2004 and 11146:2005 compliant

INTUITIVE SOFTWARE INTERFACE

Easy to navigate interface, with many display and control features:

- 2D, 3D and XY displays
- Background subtraction function
- Unique "animate" function
- Gaussian fit
- Semi-log graph

EXTERNAL TRIGGER

To synchronize the camera with a pulsed laser

SOFTWARE DEVELOPMENT KIT

A software development kit is available. Learn more about [BEAMAGE-SDK](#).

호환 스탠드

[STAND-D-233](#)

사양

계측 성능	
스펙트럼 범위	1495 - 1595 nm
최소 계측가능 빔	70 μ m
센서 기술	CMOS(인광 코팅)
픽셀 카운트	4.2 MPixels
H x V	2048 x 2048
빔 지름 정의	D4 σ (ISO 규격) 심자선을 따라 1/e2(13.5%) 심자선을 따라 FWHM(50%) 사용자 정의(%)
서버 유형	Global
프레임률	6.2 fps @ 4.2 MPixels (Full Frame)
ADC 수준	12비트(기본값)/10비트(선택값)
RMS 노이즈	1000:1 (60 dB)

손상 한계	
최대 파워 밀도 ¹	10 W/cm ²
최대 에너지 밀도 ²	300 μJ/cm ²
최대 파워 ³	1 W
1. 1064nm. ND4 여과기. 2. 1064nm. ND4 여과기. 3. 1064nm. ND4 여과기.	
물리적 특성	
치수	61H x 81.1W x 19.7D mm
중량	0.14 kg
픽셀 크기	5.5 μm
포함 필터	ND4
활성 영역	11.3 x11.3 mm
ORDERING INFORMATION	
BEAMAGE-4M-IR	202955

INTERESTED IN THIS PRODUCT?

견적받기

Find your local sales representative at gentec-eo.com/contact-us