

Beam Profiler

Our high-resolution array sensors are equipped with various planar filters for use with different laser beams of varying wavelengths. Depending on the use case and equipment, it is possible to choose between a sensor with a pixel pitch of either 90 μm (80x64) or 45 μm (160x120).

Optional: **Beam profile analysis software** (requires a license key and an internet connection for activation).

USB Application Set
160x120



UDP Application Set
80x64

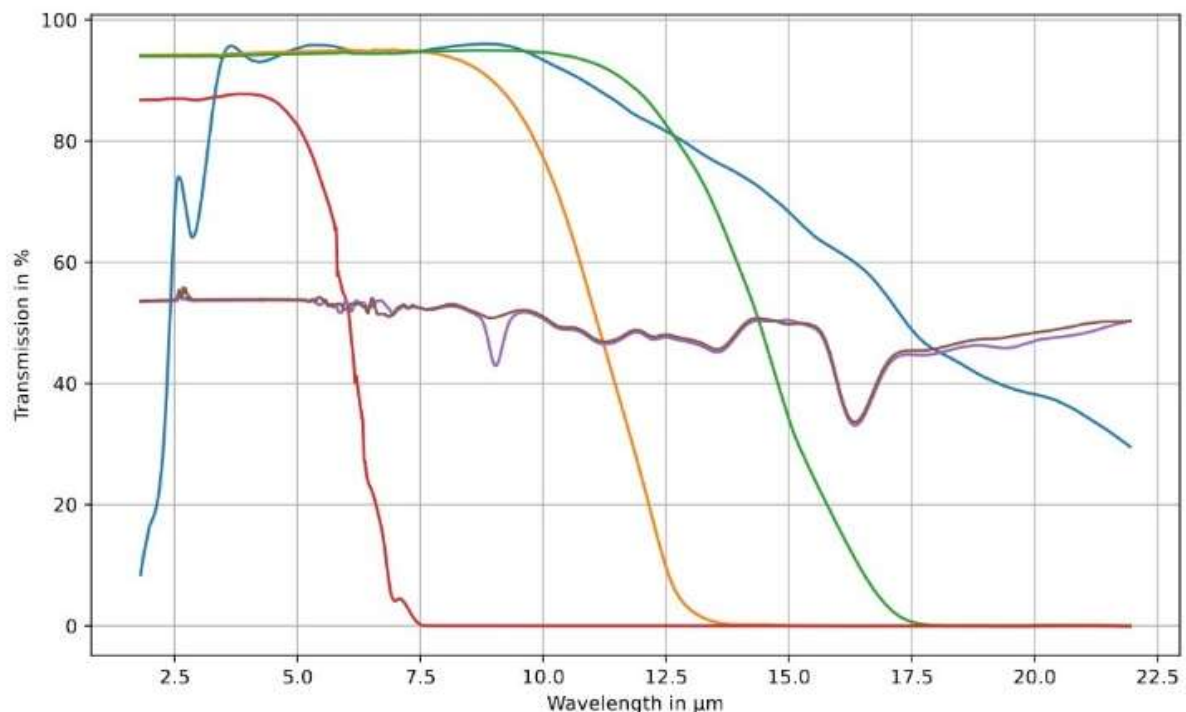


PoE Application Set
160x120



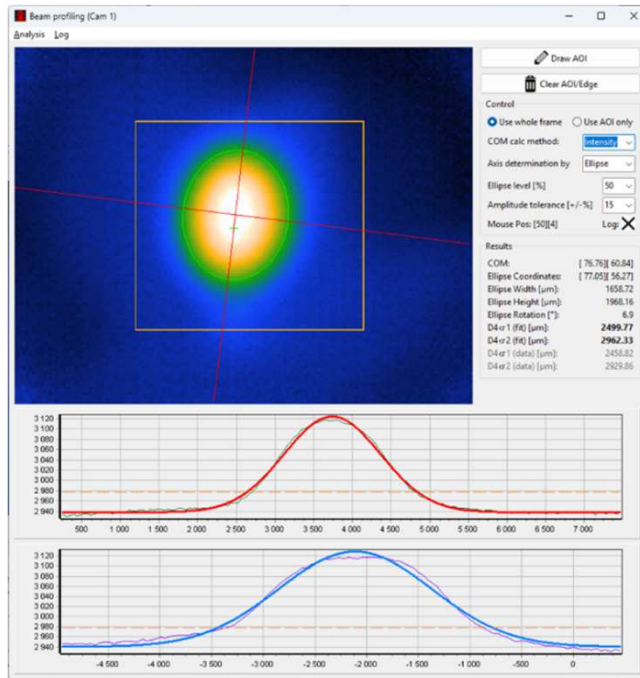
Available Filter and Transmissions

Filter	Ge w/ARC	CaF ₂	BaF ₂	Al ₂ O ₃ (Sapphire)	Si uncoated	HRFZ-Si supports THz lasers
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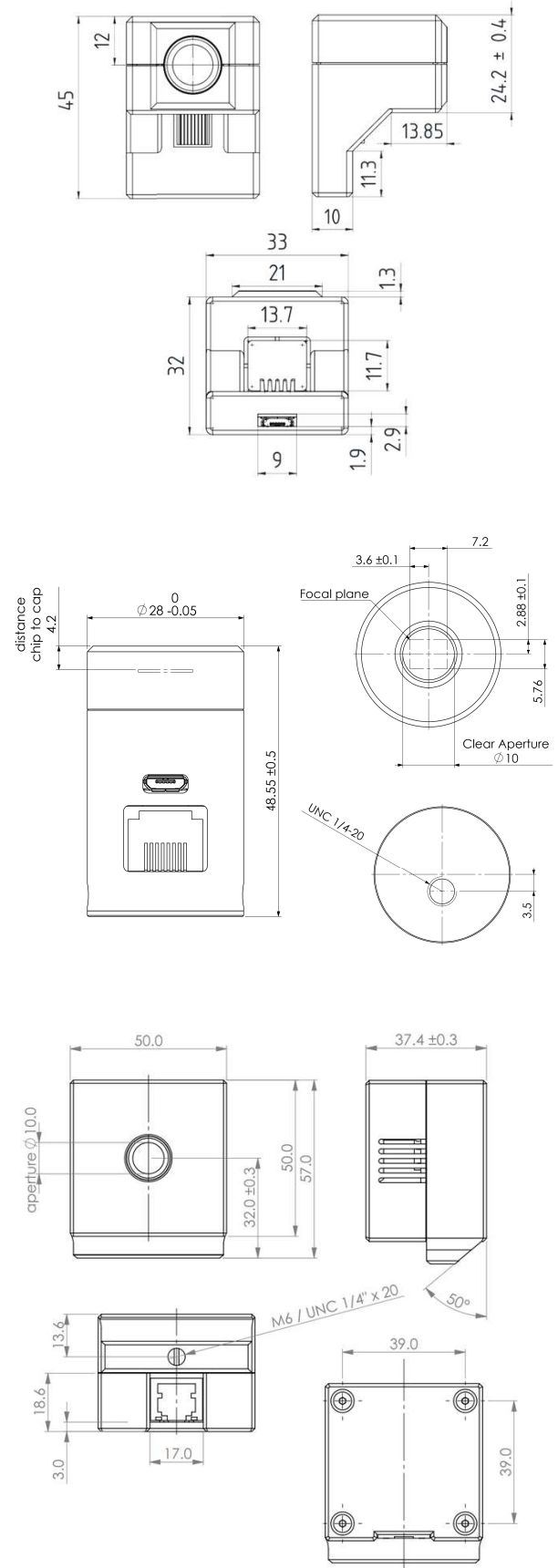


The transmission plot is limited by the spectrometer. Possible Range: 1.1 μm to THz

Laser Beam Spot Visualized with ArraySoft



Dimensions



Order Code Chart

Bold: Selectable options
Regular: Fixed/Not selectable

HTPA80x64d	R2	Beam Profiler	(UDP)	[Ge]
HTPA80x64d	R2	Beam Profiler	(UDP)	[CaF₂]
HTPA80x64d	R2	Beam Profiler	(UDP)	[BaF₂]
HTPA80x64d	R2	Beam Profiler	(UDP)	[FZSi]
HTPA80x64d	R2	Beam Profiler	(UDP)	[Si]
HTPA80x64d	R2	Beam Profiler	(UDP)	[Al₂O₃]
HTPA80x64d	R2	Beam Profiler	(PoE)	[Ge]
HTPA80x64d	R2	Beam Profiler	(PoE)	[CaF₂]
HTPA80x64d	R2	Beam Profiler	(PoE)	[BaF₂]
HTPA80x64d	R2	Beam Profiler	(PoE)	[FZSi]
HTPA80x64d	R2	Beam Profiler	(PoE)	[Si]
HTPA80x64d	R2	Beam Profiler	(PoE)	[Al₂O₃]
HTPA160x120d	R1	Beam Profiler	(USB)	[Ge]
HTPA160x120d	R1	Beam Profiler	(USB)	[CaF₂]
HTPA160x120d	R1	Beam Profiler	(USB)	[BaF₂]
HTPA160x120d	R1	Beam Profiler	(USB)	[FZSi]
HTPA160x120d	R1	Beam Profiler	(USB)	[Si]
HTPA160x120d	R1	Beam Profiler	(USB)	[Al₂O₃]
HTPA160x120d	R1	Beam Profiler	(PoE)	[Ge]
HTPA160x120d	R1	Beam Profiler	(PoE)	[CaF₂]
HTPA160x120d	R1	Beam Profiler	(PoE)	[BaF₂]
HTPA160x120d	R1	Beam Profiler	(PoE)	[FZSi]
HTPA160x120d	R1	Beam Profiler	(PoE)	[Si]
HTPA160x120d	R1	Beam Profiler	(PoE)	[Al₂O₃]

Scope of Delivery

- Tripod
- USB Cable (not for PoE)
- USB Mount Module (M6 and UNC)